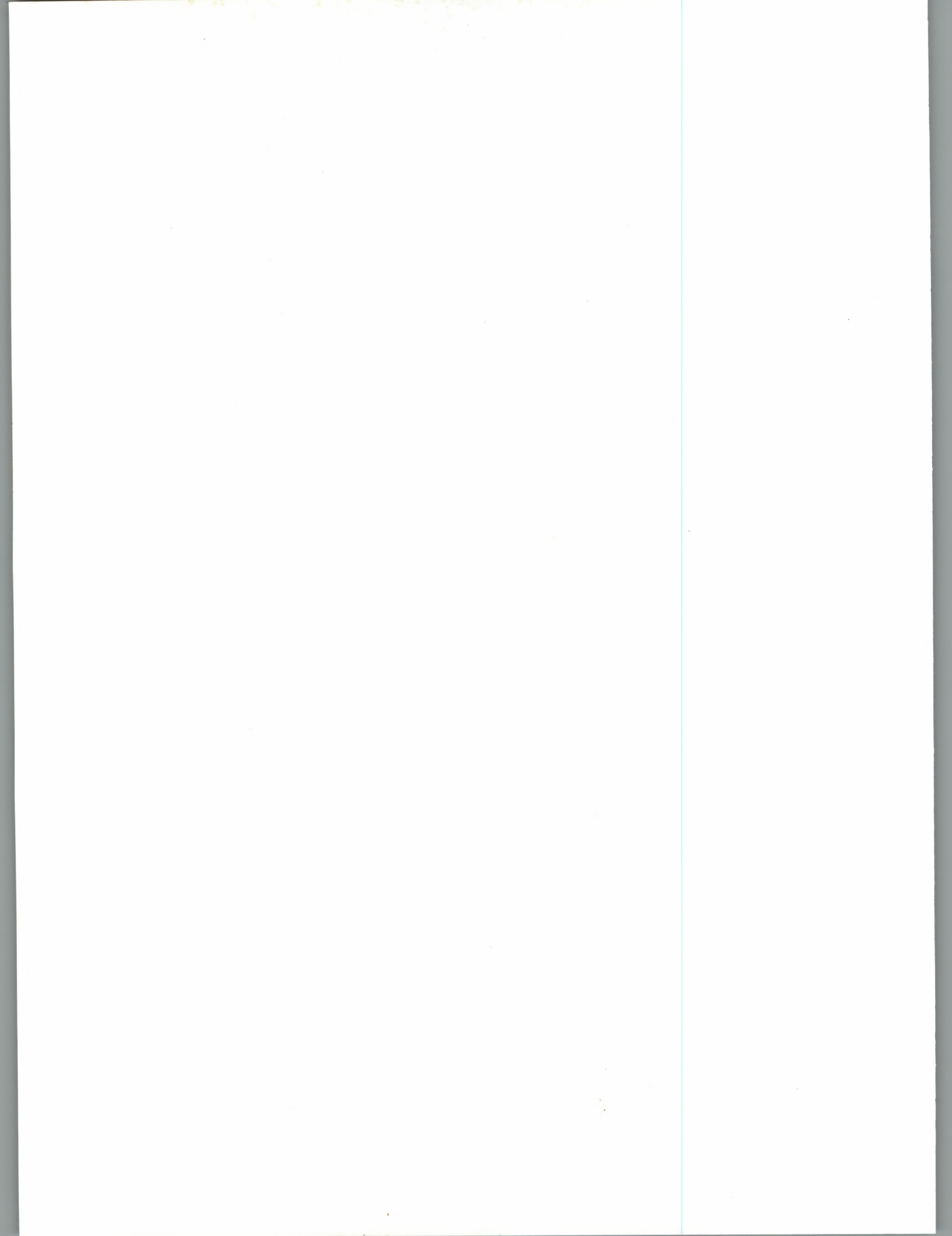


Overview of OpenVMS Documentation

OpenVMS





Overview of OpenVMS Documentation

Order Number: AA-QSBEB-TE

November 1996

This manual contains a brief description of the OpenVMS documentation set and includes a short summary of each manual for OpenVMS Alpha Version 7.1 and OpenVMS VAX Version 7.1.

Revision/Update Information: This manual supersedes the *Overview of OpenVMS Documentation*, Version 7.0.

Software Version: OpenVMS Alpha Version 7.1
OpenVMS VAX Version 7.1

**Digital Equipment Corporation
Maynard, Massachusetts**

November 1996

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ZK4511

The OpenVMS documentation set is available on CD-ROM.

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Preface

Reader's Comments

Digital welcomes your comments on this manual.

Print or edit the online form SYS\$HELP:OPENVMSDOC_COMMENTS.TXT and send us your comments by:

Internet **openvmsdoc@zko.mts.dec.com**
Fax 603 881-0120, Attention: OSSG Documentation, ZKO3-4/U08
Mail OSSG Documentation Group, ZKO3-4/U08
 110 Spit Brook Rd.
 Nashua, NH 03062-2698

How To Order Additional Documentation

Use the following table to order additional documentation or information. If you need help deciding which documentation best meets your needs, call 800-DIGITAL (800-344-4825).

Telephone and Direct Mail Orders

Location	Call	Fax	Write
U.S.A.	DECdirect 800-DIGITAL 800-344-4825	Fax: 800-234-2298	Digital Equipment Corporation P.O. Box CS2008 Nashua, NH 03061
Puerto Rico	809-781-0505	Fax: 809-749-8300	Digital Equipment Caribbean, Inc. 3 Digital Plaza, 1st Street, Suite 200 P.O. Box 11038 Metro Office Park San Juan, Puerto Rico 00910-2138
Canada	800-267-6215	Fax: 613-592-1946	Digital Equipment of Canada, Ltd. Box 13000 100 Herzberg Road Kanata, Ontario, Canada K2K 2A6 Attn: DECdirect Sales
International	—	—	Local Digital subsidiary or approved distributor
Internal Orders	DTN: 264-4446 603-884-4446	Fax: 603-884-3960	U.S. Software Supply Business Digital Equipment Corporation 10 Cotton Road Nashua, NH 03063-1260

Conventions

The name of the OpenVMS AXP operating system has been changed to the OpenVMS Alpha operating system. Any references to OpenVMS AXP or AXP are synonymous with OpenVMS Alpha or Alpha.

VMScLuster systems are now referred to as OpenVMS Cluster systems. Unless otherwise specified, references to OpenVMS Clusters or clusters in this document are synonymous with VMScLusters.

Overview

This manual describes the documentation for OpenVMS Alpha Version 7.1 and OpenVMS VAX Version 7.1. It helps you choose the documentation that best suits your needs, describes the components of the complete OpenVMS documentation set, details the contents of the Documentation CD-ROM, and provides ordering information.

1.1 Documentation Delivery

OpenVMS documentation is available in printed form and on the Documentation CD-ROM. In addition, the OpenVMS operating system provides Online Help for OpenVMS routines, utilities, and commands.

1.1.1 Printed Documentation

The OpenVMS printed documentation offering contains two documentation sets which are listed in Table 1-1. The sets can be ordered separately.

Table 1-1 OpenVMS Documentation Sets

Set	Order Number
OpenVMS Full Documentation Set	QA-001AA-GZ.7.1
OpenVMS Base Documentation Set (subset of Full Documentation Set)	QA-09SAA-GZ.7.1

The OpenVMS Full Documentation Set contains all current OpenVMS documentation in one offering. It is for users who need extensive explanatory information on all major OpenVMS resources, complete reference information on system routines and utilities, detailed examples, guidelines for OpenVMS Clusters, programming concepts, a master index, and information on the Help Message utility. This set meets the needs of system managers and of system and application programmers. It includes the Base Documentation Set.

The OpenVMS Base Set is a subset of the Full Documentation Set. It includes the most commonly used OpenVMS documents, addressing the needs of general users and system managers of small standalone systems. Documents such as the Release Notes, New Features, and the DCL Dictionary are included in the Base Set.

Refer to Table 2-1 for a complete listing of the documents in the Base and Full Documentation Sets. Each book in these sets can be ordered separately.

The installation guides, the *OpenVMS License Management Utility Manual*, and the *Guide to OpenVMS Version 7.1 CD-ROMs* are included in the media kit with your software. These manuals are not part of the Full Documentation Set and if you do not order media, they must be ordered separately. Refer to Table 2-2 for a complete listing of the installation guides.

Overview

1.1 Documentation Delivery

1.1.2 Documentation CD-ROM

The OpenVMS Documentation CD-ROM consists of manuals in the following formats:

- HTML format

For Version 7.1, several of the OpenVMS manuals are available on the OpenVMS Documentation CD-ROM in a format that is readable with any Level 2 Internet browser. OpenVMS recommends using Netscape Navigator Version 2.01 to read the HTML documentation. Netscape Navigator is available on the OpenVMS Internet Product Suite CD-ROM.

- Bookreader format

OpenVMS customers receive the entire Version 7.1 documentation set in Bookreader format. Use the DECwindows Bookreader application to view the Bookreader format.

- Printable files in ASCII text and PostScript formats

Several OpenVMS and associated layered product manuals are offered in ASCII text and PostScript format. Refer to Section 2.2 for further information on the OpenVMS Documentation CD-ROM.

1.2 Changes in Version 7.1 Documentation

This section describes notable changes to the OpenVMS documentation set for OpenVMS Version 7.1.

- The entire OpenVMS Documentation Set has been reprinted for this release. Selected manuals are available in HTML format on the Documentation CD-ROM.
- Several documents have been reorganized. A few new manuals are now available and several manuals from previous releases have been archived.
- A DECnet-Plus Starter Kit is included as part of the OpenVMS Version 7.1 package.

1.2.1 Version 7.1 Documentation

The entire OpenVMS Documentation Set has been reprinted for Version 7.1. In previous releases, many documents were updated in Bookreader format only. For this release all OpenVMS documents are updated in Bookreader and printed formats. In addition, several documents are in HTML format and viewable through an Internet browser.

For the past few releases, outdated information has been archived. For Version 7.1 we have reorganized some information, enhanced Online Help, and continued to archive obsolete information. Refer to Table 3-1 for a complete listing of archived manuals.

1.2.2 Performance Management Documentation

The *Guide to OpenVMS Performance Management* and the *Guide to OpenVMS AXP Performance Management* are now consolidated into one manual titled *OpenVMS Performance Management*.

1.2 Changes in Version 7.1 Documentation

1.2.3 Migration Documentation

Migration information is located in *Migrating an Application from OpenVMS VAX to OpenVMS Alpha*. This document replaces previous migration documents. The following documents have been archived. Table 3-1 lists the order numbers for these archived documents.

- *A Comparison of System Management on OpenVMS AXP and OpenVMS VAX*
- *Migrating an Environment from OpenVMS VAX to OpenVMS Alpha*
- *Migrating to an OpenVMS AXP System: Planning for Migration*
- *Migrating to an OpenVMS AXP System: Recompiling and Relinking Applications*
- *OpenVMS Compatibility Between VAX and Alpha*

1.2.4 Device Support Documentation

OpenVMS device support documentation has been reorganized for OpenVMS Version 7.1. Two manuals about writing OpenVMS Alpha device drivers are now available, and several device support manuals from previous releases have been archived.

The OpenVMS Alpha device driver books available as of OpenVMS Version 7.1 are as follows:

- *Writing OpenVMS Alpha Device Drivers in C* describes how to write device drivers in the C programming language for devices connected to Alpha processors.
- *Creating an OpenVMS Alpha Device Driver from an OpenVMS VAX Device Driver* explains how to change OpenVMS VAX device driver code to be compiled, linked, loaded, and run on OpenVMS Alpha systems. This book also describes OpenVMS Alpha driver entry point routines, system routines, and macros for the MACRO-32 compiler.

Table 1-2 summarizes the Alpha and VAX device support documentation changes for OpenVMS Version 7.1. It lists the device support books that have been archived, and indicates whether the information they contain is available in other books.

Table 1-2 OpenVMS Version 7.1 Device Support Books

Title	New Location in Version 7.1
<i>Creating an OpenVMS AXP Step 2 Device Driver from a Step 1 Device Driver</i>	Same
<i>Creating an OpenVMS AXP Step 2 Device Driver from an OpenVMS VAX Device Driver</i>	<i>Creating an OpenVMS Alpha Device Driver from an OpenVMS VAX Device Driver</i> (This book now includes reference information.)
<i>OpenVMS AXP Device Support: Developer's Guide</i>	<i>Writing OpenVMS Alpha Device Drivers in C</i>

(continued on next page)

Overview

1.2 Changes in Version 7.1 Documentation

Table 1–2 (Cont.) OpenVMS Version 7.1 Device Support Books

Title	New Location in Version 7.1
<i>OpenVMS AXP Device Support: Reference</i>	C reference information is available in <i>Writing OpenVMS Alpha Device Drivers in C</i> . MACRO-32 reference information is included in the <i>Creating an OpenVMS Alpha Device Driver from an OpenVMS VAX Device Driver</i> book.
<i>OpenVMS VAX Device Support Manual</i>	Same
<i>OpenVMS VAX Device Support Reference Manual</i>	Same

1.2.5 DECnet-Plus for OpenVMS Version 7.1 Documentation

DECnet-Plus, formerly named DECnet/OSI, has replaced DECnet for OpenVMS Phase IV in the main operating installation menu. To assist customers choosing to move from DECnet Phase IV to DECnet-Plus, OpenVMS is delivering a one-time complimentary offering that includes DECnet-Plus binaries and a DECnet-Plus Starter Kit.

The DECnet-Plus Starter Kit for OpenVMS Version 7.1 customers includes the following documents:

- *DECnet-Plus for OpenVMS Applications Installation and Advanced Configuration Manual*
- *DECnet-Plus for OpenVMS Installation and Basic Configuration*
- *DECnet-Plus for OpenVMS Network Management*
- *DECnet-Plus Planning Guide*
- *DECnet-Plus Problem Solving*
- *DECnet-Plus Network Control Language Reference*
- *DECnet-Plus for OpenVMS Introduction and User's Guide*
- *DECnet-Plus for OpenVMS Release Notes*
- *DECnet-Plus for OpenVMS Installation Quick Reference Card*
- *DECnet-Plus for OpenVMS Network Management Quick Reference Guide*

DECnet for OpenVMS Phase IV binaries will continue to ship with the operating system. DECnet Phase IV manuals are included on the OpenVMS Documentation CD-ROM in DECW\$BOOK or PostScript format, or you can order the printed manuals separately through DECdirect (800-344-4825). Table 1–3 lists the DECnet Phase IV manuals.

Table 1–3 DECnet Phase IV Manuals

Manual	Order Number
<i>DECnet for OpenVMS Guide to Networking</i>	AA-PV5ZA-TK
<i>DECnet for OpenVMS Networking Manual</i>	AA-PV60A-TK
<i>DECnet for OpenVMS Network Management Utilities</i>	AA-PV61A-TK

Documentation Delivery

This chapter describes the following components of OpenVMS information and provides ordering information:

- Printed documentation
- Documentation CD-ROM
- System Integrated Products
- Online Help

2.1 Printed Documentation

OpenVMS manuals are available in documentation sets, with your media, or can be purchased separately.

2.1.1 Full and Base Documentation Sets

The following two offerings make up the OpenVMS Documentation Sets:

Set	Order Number
OpenVMS Full Documentation Set	QA-001AA-GZ.7.1
OpenVMS Base Documentation Set (subset of Full Documentation Set)	QA-09SAA-GZ.7.1

Table 2-1 lists the manuals included in the OpenVMS Full and Base Documentation Sets.

Table 2-1 OpenVMS Full Documentation Set

Manual	Order Number
OpenVMS Base Set	
<i>Migrating an Application from OpenVMS VAX to OpenVMS Alpha</i>	AA-QSBKB-TE
<i>OpenVMS DCL Dictionary: A-M</i>	AA-PV5KE-TK
<i>OpenVMS DCL Dictionary: N-Z</i>	AA-PV5LE-TK
<i>OpenVMS Guide to System Security</i>	AA-Q2HLC-TE
<i>OpenVMS Management Station Overview and Release Notes</i>	AA-QJGCB-TE
<i>OpenVMS Master Index</i>	AA-QSBSB-TE
<i>OpenVMS System Management Utilities Reference Manual: A-L</i>	AA-PV5PD-TK
<i>OpenVMS System Management Utilities Reference Manual: M-Z</i>	AA-PV5QD-TK

(continued on next page)

Documentation Delivery

2.1 Printed Documentation

Table 2–1 (Cont.) OpenVMS Full Documentation Set

Manual	Order Number
OpenVMS Base Set	
<i>OpenVMS System Manager's Manual: Essentials</i>	AA-PV5MD-TK
<i>OpenVMS System Manager's Manual: Tuning, Monitoring, and Complex Systems</i>	AA-PV5ND-TK
<i>OpenVMS User's Manual</i>	AA-PV5JC-TK
<i>OpenVMS Version 7.1 New Features Manual</i>	AA-QSBFB-TE
<i>OpenVMS Version 7.1 Release Notes</i>	AA-QSBTB-TE
<i>Overview of OpenVMS Documentation</i>	AA-QSBEB-TE
<i>TCP/IP Networking on OpenVMS Systems</i>	AA-QJGDB-TE
Continuation of Full Documentation Set	
<i>Creating an OpenVMS Alpha Device Driver from an OpenVMS VAX Device Driver</i>	AA-R0Y8A-TE
<i>DECams User's Guide</i>	AA-Q3JSC-TE
<i>DEC C Run-Time Library Utilities Reference Manual</i>	AA-R238A-TE
<i>DEC Text Processing Utility Reference Manual</i>	AA-PWCCB-TE
<i>Digital Portable Mathematics Library</i>	AA-PV6VC-TE
<i>Extensible Versatile Editor Reference Manual</i>	AA-PWCDB-TE
<i>Guide to Creating OpenVMS Modular Procedures</i>	AA-PV6AB-TK
<i>Guide to DECthreads</i>	AA-QSBPB-TE
<i>Guide to OpenVMS File Applications</i>	AA-PV6PB-TK
<i>Guide to the DEC Text Processing Utility</i>	AA-PWCBB-TE
<i>Guidelines for OpenVMS Cluster Configurations</i>	AA-Q28LB-TK
<i>OpenVMS Alpha Guide to 64-Bit Addressing and VLM Features</i>	AA-QSBCB-TE
<i>OpenVMS Alpha Guide to Upgrading Privileged-Code Applications</i>	AA-QSBGB-TE
<i>OpenVMS Alpha System Dump Analyzer Utility Manual</i>	AA-PV6UC-TE
<i>OpenVMS Calling Standard</i>	AA-QSBBB-TE
<i>OpenVMS Cluster Systems</i>	AA-PV5WC-TK
<i>OpenVMS Command Definition, Librarian, and Message Utilities Manual</i>	AA-QSBDB-TE
<i>OpenVMS Debugger Manual</i>	AA-QSBJB-TE
<i>OpenVMS Delta/XDelta Debugger Manual</i>	AA-PWCAB-TE
<i>OpenVMS I/O User's Reference Manual</i>	AA-PV6SB-TK
<i>OpenVMS Linker Utility Manual</i>	AA-PV6CB-TK
<i>OpenVMS Performance Management</i>	AA-R237A-TE
<i>OpenVMS Programming Concepts Manual</i>	AA-PV67C-TK
<i>OpenVMS Programming Interfaces: Calling a System Routine</i>	AA-PV68B-TK
<i>OpenVMS Record Management Services Reference Manual</i>	AA-PV6RB-TK
<i>OpenVMS Record Management Utilities Reference Manual</i>	AA-PV6QB-TK

(continued on next page)

Table 2-1 (Cont.) OpenVMS Full Documentation Set

Manual	Order Number
Continuation of Full Documentation Set	
<i>OpenVMS RTL General Purpose (OTS\$) Manual</i>	AA-PV6HB-TK
<i>OpenVMS RTL Library (LIB\$) Manual</i>	AA-QSBHB-TE
<i>OpenVMS RTL Screen Management (SMG\$) Manual</i>	AA-PV6LB-TK
<i>OpenVMS RTL String Manipulation (STR\$) Manual</i>	AA-PV6MB-TK
<i>OpenVMS System Messages: Companion Guide for Help Message Users</i>	AA-PV5TB-TK
<i>OpenVMS System Services Reference Manual: A-GETMSG</i>	AA-QSBMB-TE
<i>OpenVMS System Services Reference Manual: GETQUI-Z</i>	AA-QSBNB-TE
<i>OpenVMS Utility Routines Manual</i>	AA-PV6EC-TK
<i>OpenVMS VAX RTL Mathematics (MTH\$) Manual</i>	AA-PVXJB-TE
<i>OpenVMS VAX System Dump Analyzer Utility Manual</i>	AA-PV6TB-TE
<i>POLYCENTER Software Installation Utility Developer's Guide</i>	AA-Q28MB-TK
<i>Porting VAX MACRO Code to OpenVMS Alpha</i>	AA-PV64B-TE
<i>VAX MACRO and Instruction Set Reference Manual</i>	AA-PS6GB-TE
<i>Volume Shadowing for OpenVMS</i>	AA-PVXMD-TE
<i>Writing OpenVMS Alpha Device Drivers in C</i>	EY-T133E-DP

2.1.2 Upgrade and Installation Documentation

Installation manuals and the *OpenVMS License Management Utility Manual* are included with your media kit.

OpenVMS Alpha customers receive the *OpenVMS Alpha Version 7.1 Upgrade and Installation Manual*. This manual contains step-by-step upgrade and installation information as well as device-naming and booting information.

OpenVMS VAX customers receive the *OpenVMS VAX Version 7.1 Upgrade and Installation Manual*. This manual is your primary source for step-by-step upgrade and installation procedures using the VMSINSTAL utility. In addition to the *OpenVMS VAX Version 7.1 Upgrade and Installation Manual*, you may receive one or more upgrade and installation supplements with your media kit. These manuals contain information specific to your VAX computer. Use your computer-specific supplement in conjunction with the *OpenVMS VAX Version 7.1 Upgrade and Installation Manual* when you install or upgrade your system software.

Table 2-2 lists the titles and the order numbers for the upgrade and installation manuals and supplements.

Documentation Delivery

2.1 Printed Documentation

Table 2-2 Order Numbers for Upgrade and Installation Manuals

Manual	Order Number
Upgrade and Installation Manuals	
<i>OpenVMS Alpha Version 7.1 Upgrade and Installation Manual</i>	AA-QSE8B-TE
<i>OpenVMS VAX Version 7.1 Upgrade and Installation Manual</i>	AA-QSBQB-TE
<i>OpenVMS License Management Utility Manual</i>	AA-PVXUD-TK
<i>Guide to OpenVMS Version 7.1 CD-ROMs</i>	AA-QSBRB-TE
Optionally Orderable VAX Upgrade and Installation Supplements	
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 7000 Series and VAX 10000 Series</i>	AA-PVXTA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 9000 Series</i>	AA-PS6TA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAXstation 3100, 4000 and MicroVAX 3100 Series</i>	AA-PS6SA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 6000 Series</i>	AA-PS6NA-TE
<i>VMS Installation and Operations: VAX-11/730</i>	AA-LB31B-TE
<i>OpenVMS VAX Installation and Operations: VAXstation II, II/GPX and MicroVAX II</i>	AA-PS6ZA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAXstation 3520, 3540</i>	AA-PS6LA-TE
<i>OpenVMS Upgrade/Installation: VAX 4000 Series, MicroVAX, VAXstation, and VAXserver 32/33/34/35/36/38/3900 Series</i>	AA-PS6RA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAXstation 2000, MicroVAX 2000</i>	AA-PS6YA-TE

2.1.3 Organization of the Documentation Set

The covers of OpenVMS manuals are color coded to help specific audiences quickly find the documents that meet their needs. The color coding is reinforced with a letter designator on the spines of the documents. Refer to Table 2-3 for manual type, color, and letter designator.

Table 2-3 Color Coding of Manual Covers

Manual Type	Cover Color	Letter Designator
General user	Blue	G
System management	Red	S
Programming	Green	P

Some documents in the documentation set help meet the needs of several audiences. Keep this in mind when searching for information on specific topics. See Figure 2-1 for an illustration of the OpenVMS documentation set organized by audience.

Figure 2-1 OpenVMS Documentation Set Organized by Audience



General User Manuals

<i>DEC Text Processing Utility Reference Manual</i>	<i>OpenVMS System Messages: Companion Guide for Help Message Users</i>
<i>Extensible Versatile Editor Reference Manual</i>	<i>OpenVMS User's Manual</i>
<i>Guide to the DEC Text Processing Utility</i>	<i>OpenVMS Version 7.1 New Features Manual</i>
<i>OpenVMS DCL Dictionary (I & II)</i>	<i>OpenVMS Version 7.1 Release Notes</i>
<i>OpenVMS Master Index</i>	<i>Overview of OpenVMS Documentation</i>



System Management Manuals

<i>DECams User's Guide</i>	<i>OpenVMS Performance Management</i>
<i>Guidelines for OpenVMS Cluster Configurations</i>	<i>OpenVMS System Management Utilities Reference Manuals (I & II)</i>
<i>OpenVMS Alpha Version 7.1 Upgrade and Installation Manual</i>	<i>OpenVMS System Manager's Manuals (I & II)</i>
<i>OpenVMS Cluster Systems</i>	<i>OpenVMS VAX Version 7.1 Upgrade and Installation Manual</i>
<i>OpenVMS Guide to System Security</i>	<i>TCP/IP Networking on OpenVMS Systems</i>
<i>OpenVMS License Management Utility Manual</i>	<i>Volume Shadowing for OpenVMS</i>
<i>OpenVMS Management Station Overview and Release Notes</i>	



Programming Manuals

<i>Creating an OpenVMS Alpha Device Driver from an OpenVMS VAX Device Driver</i>	<i>OpenVMS Linker Utility Manual</i>
<i>DEC C Run-Time Library Utilities Reference Manual</i>	<i>OpenVMS Programming Concepts Manual</i>
<i>Digital Portable Mathematics Library</i>	<i>OpenVMS Programming Interfaces: Calling a System Routine</i>
<i>Guide to Creating OpenVMS Modular Procedures</i>	<i>OpenVMS Record Management Services Reference Manual</i>
<i>Guide to DECthreads</i>	<i>OpenVMS Record Management Utilities Reference Manual</i>
<i>Guide to OpenVMS File Applications</i>	<i>OpenVMS RTL General Purpose (OTS\$) Manual</i>
<i>Migrating an Application from OpenVMS VAX to OpenVMS Alpha</i>	<i>OpenVMS RTL Library (LIB\$) Manual</i>
<i>OpenVMS Alpha Guide to 64-Bit Addressing and VLM Features</i>	<i>OpenVMS RTL Screen Management (SMG\$) Manual</i>
<i>OpenVMS Alpha Guide to Upgrading Privileged-Code Applications</i>	<i>OpenVMS RTL String Manipulation (STR\$) Manual</i>
<i>OpenVMS Alpha System Dump Analyzer Utility Manual</i>	<i>OpenVMS System Services Reference Manuals (I & II)</i>
<i>OpenVMS Calling Standard</i>	<i>OpenVMS Utility Routines Manual</i>
<i>OpenVMS Command Definition, Librarian, and Message Utilities Manual</i>	<i>OpenVMS VAX RTL Mathematics (MTH\$) Manual</i>
<i>OpenVMS Debugger Manual</i>	<i>OpenVMS VAX System Dump Analyzer Utility Manual</i>
<i>OpenVMS Delta/XDelta Debugger Manual</i>	<i>POLYCENTER Software Installation Utility Developer's Guide</i>
<i>OpenVMS I/O User's Reference Manual</i>	<i>Porting VAX MACRO Code to OpenVMS Alpha</i>
	<i>VAX MACRO and Instruction Set Reference Manual</i>
	<i>Writing OpenVMS Alpha Device Drivers in C</i>

ZK-8927A-GE

2.2 Documentation CD-ROM

This section contains information about the contents of the OpenVMS Version 7.1 Documentation CD-ROM. Use the following part number if you wish to order the OpenVMS Version 7.1 Documentation CD-ROM: AG-QSBYB-BE.

The Documentation CD-ROM includes HTML, Bookreader, PostScript, and text files. The files are organized in the following directories:

- [HTML] directory
Includes a subset of the OpenVMS Documentation Set that can be viewed with an Internet browser
- [DECW\$BOOK] directory
Includes the OpenVMS documentation set, archived manuals, and layered product files in Bookreader format
- [DOCUMENTATION] directory
Includes PostScript and text files of the following:
 - OpenVMS release notes, new features, installation manuals, and SPDs
 - Layered product release notes, installation manuals, cover letters, and SPDs
- [OVMS_ARCHIVED] directory
Includes archived manuals in PostScript format

For detailed information about the Documentation CD-ROM, refer to the *Guide to OpenVMS Version 7.1 CD-ROMs*.

2.2.1 Accessing HTML Documentation

Selected OpenVMS manuals in HTML format are stored in the [HTML] directory.

Use the INDEX.HTM Web page to browse the selected OpenVMS books. You can view these files with any Level 2 Internet browser, but Digital suggests using Netscape Navigator Version 2.01 software. If needed, download the Netscape Navigator from the Internet Product Suite CD-ROM, which is part of your OpenVMS Version 7.1 package.

2.2.2 Accessing PostScript and Text Files

PostScript (.PS) and text (.TXT) files are stored in the [DOCUMENTATION] and [OVMS_ARCHIVED] directories. The [DOCUMENTATION] directory contains the following files:

- PostScript and text files of selected OpenVMS manuals including release notes, installation manuals, SPDs, and the new features manual
- Selected PostScript and text files including release notes, installation guides, and SPDs of the following layered products:
 - DCE
 - DECams
 - DECnet
 - DECnet-Plus
 - DECwindows Motif for OpenVMS
 - Digital TCP/IP Services

- Monitoring Performance History (MPH)
- Wind/U

The [OVMS_ARCHIVED] directory contains archived manuals in PostScript format.

For more information about the OpenVMS CD-ROM kit and the manuals available on line, refer to the *Guide to OpenVMS Version 7.1 CD-ROMs*.

2.2.3 Accessing Bookreader Documentation

The following documentation is in Bookreader format in the [DECW\$BOOK] directory:

- OpenVMS Version 7.1 Full Documentation Set
- Layered-product documentation
- OpenVMS archived manuals

Selected OpenVMS manuals have been archived and are offered in Bookreader format on the OpenVMS Archived Manuals Bookshelf.

If you have a workstation and have installed DECwindows Motif software, you can view the manuals in Bookreader format with DECwindows Bookreader.

During installation or upgrade, the DECwindows Motif software automatically creates a library directory for Bookreader on your system disk and defines the logical name DECW\$BOOK to refer to this directory. When you start Bookreader, it looks for the library file in the directory defined by DECW\$BOOK.

For instructions on reading manuals with DECwindows Bookreader, refer to the *Guide to OpenVMS Version 7.1 CD-ROMs*.

2.3 System Integrated Products

Volume Shadowing for OpenVMS, RMS Journaling for OpenVMS, and OpenVMS Clusters are System Integrated Products (SIPs). They are included in the OpenVMS software, but you must purchase separate licenses to enable them. The OpenVMS Cluster, DECams, and Volume Shadowing documentation is included in the OpenVMS Full Documentation Set. RMS Journaling documentation must be purchased separately. Table 2-4 lists the order number for the RMS Journaling manual. See Section A.3 for a description of this manual.

Table 2-4 Order Number for RMS Journaling

Title	Order Number
<i>RMS Journaling for OpenVMS Manual</i>	AA-JG41C-TE

2.4 Online Help

The OpenVMS operating system provides online help for the commands, utilities, and system routines documented in the Full Documentation Set.

Documentation Delivery

2.4 Online Help

2.4.1 Help Message Facility

You can use the Help Message facility to quickly access online descriptions of system messages. In addition, you can add your own source files, such as messages documentation that you have written to the Help Message database. The manual *OpenVMS System Messages: Companion Guide for Help Message Users* explains how to use the Help Message facility. You can also access DCL Help for Help Message by entering:

```
$ HELP HELP/MESSAGE
```


Archived and Restructured Documentation

OpenVMS continuously updates, revises, and enhances the OpenVMS operating system information set. Table 3-1 lists the manuals that have been archived since OpenVMS Version 6.2. Table 3-3 lists where information was relocated in previous releases.

3.1 Archived Manuals

Table 3-1 lists the OpenVMS manuals that have been archived. Please note the following:

- Archived manuals can be ordered separately in hardcopy format through DECdirect (800-344-4825).
- Archived manuals are available in PostScript and Bookreader formats on the Documentation CD-ROM.
- Most information from the archived manuals has been incorporated in another document or Online Help.

Table 3-1 Archived OpenVMS Manuals

Manual	Order Number
<i>A Comparison of System Management on OpenVMS AXP and OpenVMS VAX</i>	AA-PV71B-TE
<i>Building Dependable Systems: The OpenVMS Approach</i>	AA-PV5YB-TE
<i>Creating an OpenVMS AXP Step 2 Device Driver from a Step 1 Device Driver</i>	AA-Q28TA-TE
<i>Creating an OpenVMS AXP Step 2 Device Driver from an OpenVMS VAX Device Driver</i>	AA-Q28UA-TE
<i>Guide to OpenVMS AXP Performance Management</i>	AA-Q28WA-TE
<i>Guide to OpenVMS Performance Management</i>	AA-PV5XA-TE
<i>Migrating an Environment from OpenVMS VAX to OpenVMS Alpha</i>	AA-QSBLA-TE
<i>Migrating to an OpenVMS AXP System: Planning for Migration</i>	AA-PV62A-TE
<i>Migrating to an OpenVMS AXP System: Recompiling and Relinking Applications</i>	AA-PV63A-TE
<i>OpenVMS AXP Device Support: Developer's Guide</i>	AA-Q28SA-TE
<i>OpenVMS AXP Device Support: Reference</i>	AA-Q28PA-TE
<i>OpenVMS Bad Block Locator Utility Manual</i>	AA-PS69A-TE
<i>OpenVMS Compatibility Between VAX and Alpha</i>	AA-PYQ4C-TE

(continued on next page)

Archived and Restructured Documentation

3.1 Archived Manuals

Table 3–1 (Cont.) Archived OpenVMS Manuals

Manual	Order Number
<i>OpenVMS Developer's Guide to VMSINSTAL</i>	AA-PWBXA-TE
<i>OpenVMS DIGITAL Standard Runoff Reference Manual</i>	AA-PS6HA-TE
<i>OpenVMS EDT Reference Manual</i>	AA-PS6KA-TE
<i>OpenVMS Exchange Utility Manual</i>	AA-PS6AA-TE
<i>OpenVMS Glossary</i>	AA-PV5UA-TK
<i>OpenVMS National Character Set Utility Manual</i>	AA-PS6FA-TE
<i>OpenVMS Obsolete Features Manual</i>	AA-PS6JA-TE
<i>OpenVMS Programming Environment Manual</i>	AA-PV66B-TK
<i>OpenVMS RTL DECTalk (DTK\$) Manual</i>	AA-PS6CA-TE
<i>OpenVMS RTL Parallel Processing (PPL\$) Manual</i>	AA-PV6JA-TK
<i>OpenVMS Software Overview</i>	AA-PVXHB-TE
<i>OpenVMS SUMSLP Utility Manual</i>	AA-PS6EA-TE
<i>OpenVMS System Messages and Recovery Procedures Reference Manual: A–L</i>	AA-PVXKA-TE
<i>OpenVMS System Messages and Recovery Procedures Reference Manual: M–Z</i>	AA-PVXLA-TE
<i>OpenVMS Terminal Fallback Utility Manual</i>	AA-PS6BA-TE
<i>OpenVMS VAX Card Reader, Line Printer, and LPA11–K I/O User's Reference Manual</i>	AA-PVXGA-TE
<i>OpenVMS VAX Device Support Manual</i>	AA-PWC8A-TE
<i>OpenVMS VAX Device Support Reference Manual</i>	AA-PWC9A-TE
<i>OpenVMS VAX Patch Utility Manual</i>	AA-PS6DA-TE
<i>OpenVMS Wide Area Network I/O User's Reference Manual</i>	AA-PWC7A-TE
<i>PDP–11 TECO User's Guide</i> ¹	AA-K420B-TC
<i>POLYCENTER Software Installation Utility User's Guide</i>	AA-Q28NA-TK

¹This manual has been archived and is not available as a PostScript file, but you can order it through DECdirect.

3.1.1 Archived Installation Supplements

Table 3–2 lists installation supplements that have been archived and are no longer available on the OpenVMS kit. However, they can be ordered from DECdirect using the order numbers shown in Table 3–2. These supplements are also available on the Documentation CD–ROM in printable PostScript format. For information about how to print these supplements from the Documentation CD–ROM, see *Guide to OpenVMS Version 7.1 CD–ROMs*.

Table 3–2 Archived Installation Supplements

Manual	Order Number
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 8820, 8830, 8840</i>	AA-PS6MA-TE

(continued on next page)

Table 3–2 (Cont.) Archived Installation Supplements

Manual	Order Number
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 8200, 8250, 8300, 8350</i>	AA-PS6PA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 8530, 8550, 8810 (8700), and 8820-N (8800)</i>	AA-PS6QA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 8600, 8650</i>	AA-PS6UA-TE
<i>VMS Upgrade and Installation Supplement: VAX-11/780, 785</i>	AA-LB29B-TE
<i>VMS Upgrade and Installation Supplement: VAX-11/750</i>	AA-LB30B-TE

3.2 Restructured Documentation

Many of the most commonly-used manuals (for example, the *DCL Dictionary*) continue to be published and revised under the same or very similar titles. Other manuals have been discontinued and their information was moved into other manuals or to Online Help. Table 3–3 shows where information from those discontinued manuals can be found in OpenVMS documentation.

Table 3–3 Where to Find Information

Discontinued Manual	New Location of Information
General User	
<i>VMS General User Master Index</i>	Discontinued
<i>Introduction to VMS</i>	<i>OpenVMS User's Manual</i>
<i>Guide to Using VMS</i>	
<i>VMS DCL Concepts Manual</i>	
<i>Guide to Using VMS Command Procedures</i>	
<i>VMS Mail Utility Manual</i>	<i>OpenVMS User's Manual</i> Online Help
<i>VMS Sort/Merge Utility Manual</i>	
<i>VMS Phone Utility Manual</i>	
<i>Guide to VMS Text Processing</i>	<i>OpenVMS User's Manual</i> <i>Extensible Versatile Editor Reference Manual</i> <i>OpenVMS DIGITAL Standard Runoff Reference Manual</i> <i>OpenVMS EDT Reference Manual</i> Online Help
<i>Guide to VMS Files and Devices</i>	<i>OpenVMS System Manager's Manual</i>

(continued on next page)

Archived and Restructured Documentation

3.2 Restructured Documentation

Table 3-3 (Cont.) Where to Find Information

Discontinued Manual	New Location of Information
System Management	
<i>POLYCENTER Software Installation Utility User's Guide</i>	<i>OpenVMS System Manager's Manual</i>
<i>VMS System Management Master Index</i>	Discontinued
<i>Introduction to VMS System Management</i>	<i>OpenVMS System Manager's Manual</i>
<i>Guide to Setting Up a VMS System</i>	
<i>Guide to Maintaining a VMS System</i>	
<i>Using VMS BACKUP</i>	
<i>VMS SYSMAN Utility Manual</i>	<i>OpenVMS System Management Utilities Reference Manual</i>
<i>VMS Install Utility Manual</i>	Online Help
<i>VMS LAT Control Program (LATCP) Manual</i>	
<i>VMS System Generation Utility Manual</i>	
<i>VMS Analyze/Disk_Structure Utility Manual</i>	
<i>VMS Backup Utility Manual</i>	
<i>VMS Error Log Utility Manual</i>	
<i>VMS Mount Utility Manual</i>	
<i>VMS Access Control List Editor Manual</i>	
<i>VMS Authorize Utility Manual</i>	
<i>VMS Audit Analysis Utility Manual</i>	
<i>VMS Accounting Utility Manual</i>	
<i>VMS Monitor Utility Manual</i>	
<i>VMS Show Cluster Utility Manual</i>	
<i>VMS Exchange Utility Manual</i>	<i>OpenVMS System Manager's Manual</i>
<i>VMS Terminal Fallback Utility Manual</i>	Online Help
<i>VMS Bad Block Locator Utility Manual</i>	
<i>Guide to DECnet-VAX Networking</i>	<i>DECnet for OpenVMS Guide to Networking</i>
<i>VMS Networking Manual</i>	<i>DECnet for OpenVMS Networking Manual</i>
<i>VMS DECnet Test Sender/DECnet Test Receiver Utility Manual</i>	<i>DECnet for OpenVMS Network Management Utilities</i>
<i>VMS Network Control Language Reference Manual</i>	Online Help

(continued on next page)

Table 3–3 (Cont.) Where to Find Information

Discontinued Manual	New Location of Information
System Management	
<i>VMS LAD Control Program (LADCP) Manual</i>	<i>OpenVMS System Manager's Manual</i> <i>InfoServer System Operations Guide</i> <i>InfoServer Client for OpenVMS LASTCP and LADCP Utilities</i> <i>Online Help</i>
Programming	
<i>Guide to OpenVMS Performance Management</i>	<i>OpenVMS Performance Management</i>
<i>Guide to OpenVMS AXP Performance Management</i>	<i>OpenVMS Performance Management</i>
<i>Guide to VMS Programming Resources</i>	<i>OpenVMS Programming Environment Manual</i> <i>OpenVMS Programming Concepts Manual</i>
<i>VMS Command Definition Utility Manual</i> <i>VMS Librarian Utility Manual</i> <i>VMS Message Utility Manual</i>	<i>OpenVMS Command Definition, Librarian, and Message Utilities Manual</i> <i>Online Help</i>
<i>VMS Analyze/RMS_File Utility Manual</i> <i>VMS Convert and Convert/Reclaim Utility Manual</i> <i>VMS File Definition Language Facility Manual</i>	<i>OpenVMS Record Management Utilities Reference Manual</i> <i>Online Help</i>
<i>Introduction to VMS System Routines</i>	<i>OpenVMS Programming Interfaces: Calling a System Routine</i> <i>OpenVMS Calling Standard</i>
<i>Introduction to the VMS Run-Time Library</i>	<i>OpenVMS Programming Interfaces: Calling a System Routine</i>
<i>Introduction to VMS System Services</i>	<i>OpenVMS Programming Concepts Manual</i> <i>OpenVMS Programming Interfaces: Calling a System Routine</i>
<i>Migrating to an OpenVMS AXP System: Planning for Migration</i>	<i>Migrating an Application from OpenVMS VAX to OpenVMS Alpha</i>
<i>Migrating to an OpenVMS AXP System: Recompiling and Relinking Applications</i>	<i>Migrating an Application from OpenVMS VAX to OpenVMS Alpha</i>

(continued on next page)

Archived and Restructured Documentation

3.2 Restructured Documentation

Table 3–3 (Cont.) Where to Find Information

Discontinued Manual	New Location of Information
Programming	
<i>OpenVMS Compatibility Between VAX and Alpha</i>	<i>Migrating an Environment from OpenVMS VAX to OpenVMS Alpha</i>
<i>A Comparison of System Management on OpenVMS AXP and OpenVMS VAX</i>	<i>Migrating an Environment from OpenVMS VAX to OpenVMS Alpha</i>
<i>VAX Text Processing Utility Manual</i>	<i>DEC Text Processing Utility Reference Manual</i> Online Help
<i>VMS I/O User's Reference Manual: Part I</i>	<i>OpenVMS I/O User's Reference Manual</i> , except Chapters 2, 4, and 5, which are in the <i>OpenVMS VAX Card Reader, Line Printer, and LPA11-K I/O User's Reference Manual</i>
<i>VMS I/O User's Reference Manual: Part II</i>	Chapters 1 through 5: <i>OpenVMS Wide Area Network I/O User's Reference Manual</i> Chapter 6, Ethernet/802 Device Drivers: <i>OpenVMS I/O User's Reference Manual</i>
Device Support Manuals	
<i>Creating an OpenVMS AXP Step 2 Device Driver from a Step 1 Device Driver</i>	Discontinued
<i>Creating an OpenVMS AXP Step 2 Device Driver from an OpenVMS VAX Device Driver</i>	<i>Creating an OpenVMS Alpha Device Driver from an OpenVMS VAX Device Driver</i>
<i>OpenVMS Alpha Device Support: Developer's Guide</i>	<i>Writing OpenVMS Alpha Device Drivers in C</i>
<i>OpenVMS Alpha Device Support: Reference</i>	C reference information is available in <i>Writing OpenVMS Alpha Device Drivers in C</i> . MACRO-32 reference information is included in the <i>Creating an OpenVMS Alpha Device Driver from an OpenVMS VAX Device Driver</i> book.
<i>OpenVMS VAX Device Support Manual</i>	Discontinued
<i>OpenVMS VAX Device Support Reference Manual</i>	Discontinued

A

Descriptions of Documents

This appendix describes each manual in the OpenVMS documentation set. The following table lists the section where the manuals in a specific set are described.

Descriptions of	See Section
Manuals in the OpenVMS Documentation Set	A.1
Manuals in the Media Kit	A.2
System integrated product manual	A.3
Archived manuals	A.4

A.1 Full Documentation Set

This section provides a description of each manual in the Documentation Set.

Creating an OpenVMS Alpha Device Driver from an OpenVMS VAX Device Driver

Describes how to change OpenVMS VAX device driver code to be compiled, linked, loaded, and run on OpenVMS Alpha systems. This book also describes OpenVMS Alpha driver entry point routines, system routines, and macros for the MACRO-32 compiler.

DECams User's Guide

Provides information for installing and using the DECams software. DECams is a system management tool that lets you monitor, diagnose, and track events in OpenVMS system and OpenVMS Cluster environments.

DEC C Run-Time Library Utilities Reference Manual

Provides detailed usage and reference information about DEC C Run-Time Library utilities for managing localization and time zone data in international software applications.

DEC Text Processing Utility Reference Manual

Describes the DEC Text Processing Utility (DECTPU) and provides reference information about the EDT Keypad Emulator interfaces to DECTPU.

Digital Portable Mathematics Library

Documents the mathematics routines in the Digital Portable Mathematics Library (DPML), supplied only with OpenVMS Alpha systems. VAX programmers should refer to the *OpenVMS VAX RTL Mathematics (MTH\$) Manual*.

Extensible Versatile Editor Reference Manual

Contains command reference information about the EVE text editor. It also provides a cross-reference between EDT and EVE commands.

Descriptions of Documents

A.1 Full Documentation Set

Guidelines for OpenVMS Cluster Configurations

Provides OpenVMS Cluster configuration information for MEMORY CHANNEL™, SCSI, CI, DSSI, and LAN-based clusters.

Guide to Creating OpenVMS Modular Procedures

Describes how to perform a complex programming task by dividing it into modules and coding each module as a separate procedure.

Guide to DECthreads

Describes the DECthreads package, Digital's multithreading run-time libraries. Use the routines in this package to create and control multiple threads of execution within the address space provided by a single process. Offering both usage tips and reference synopses, this document describes three DECthreads interfaces: routines that conform to the IEEE POSIX 1003.1c standard (called *pthread*), routines that provide thread-related services in nonthreaded applications (called thread-independent services or *tis*), and a set of Digital proprietary routines (called *cma*) that provide a stable, upwardly compatible interface.

Guide to OpenVMS File Applications

Contains guidelines for designing, creating, and maintaining efficient data files by using Record Management Services (RMS). This manual is intended for application programmers and designers responsible for programs that use RMS files, especially if performance is an important consideration.

Guide to the DEC Text Processing Utility

Provides an introduction to developing DECTPU programs.

Migrating an Application from OpenVMS VAX to OpenVMS Alpha

Describes how to create an OpenVMS Alpha version of an OpenVMS VAX application. It provides an overview of the VAX to Alpha migration process and information to help you plan a migration. It discusses the decisions you must make in planning a migration and the ways to get the information you need to make those decisions. In addition, it describes the migration methods available so that you can estimate the amount of work required for each method and select the method best suited to a given application.

OpenVMS Alpha Guide to 64-Bit Addressing and VLM Features

Introduces and describes OpenVMS Alpha operating system support for 64-bit virtual addressing and Very Large Memory (VLM). Intended for system and application programmers, this guide highlights the features and benefits of OpenVMS Alpha 64-bit and VLM capabilities. It also describes how to use these features to enhance application programs to support 64-bit addresses and to efficiently harness very large physical memory.

OpenVMS Alpha Guide to Upgrading Privileged-Code Applications

Explains the OpenVMS Alpha Version 7.0 changes that might impact Alpha privileged-code applications and device drivers as a result of the OpenVMS Alpha 64-bit virtual addressing and kernel threads support provided in OpenVMS Alpha Version 7.0.

Privileged-code applications from versions prior to OpenVMS Alpha Version 7.0 might require the source-code changes described in this guide.

OpenVMS Alpha System Dump Analyzer Utility Manual

Explains how to use the System Dump Analyzer utility to investigate system failures and examine a running OpenVMS Alpha system. Alpha programmers should refer to this manual; VAX programmers should refer to the *OpenVMS VAX System Dump Analyzer Utility Manual*.

OpenVMS Calling Standard

Documents the calling standard for the operating system. This manual indicates aspects of the calling standard that are specific to OpenVMS Alpha or OpenVMS VAX.

OpenVMS Cluster Systems

Describes procedures and guidelines for configuring and managing OpenVMS Cluster systems. This document also describes how to provide high availability, building-block growth, and unified system management across coupled systems.

OpenVMS Command Definition, Librarian, and Message Utilities Manual

Contains descriptive and reference information about the following utilities:

- Command Definition utility
- Librarian utility
- Message utility

OpenVMS DCL Dictionary

Describes the DIGITAL Command Language (DCL) and provides an alphabetical listing of detailed reference information and examples for all DCL commands and lexical functions. This manual is in two parts.

OpenVMS Debugger Manual

Explains the features of the OpenVMS Debugger for programmers.

OpenVMS Delta/XDelta Debugger Manual

Describes the Delta/XDelta utility used to debug programs that run in privileged processor mode or at an elevated interrupt priority level.

OpenVMS Guide to System Security

Describes the security features available in the OpenVMS Alpha and VAX operating systems. It explains the purpose and proper application of each feature in the context of specific security needs.

OpenVMS I/O User's Reference Manual

Contains the information that system programmers need to program I/O operations using the device drivers that are supplied with the operating system.

OpenVMS Linker Utility Manual

Describes how to use the Linker utility to create images that run on OpenVMS systems. The manual also explains how to control a link operation with link qualifiers and link options.

OpenVMS Management Station Overview and Release Notes

Provides an overview of OpenVMS Management Station and describes how to get started using the software. OpenVMS Management Station is a powerful, Microsoft Windows based management tool for system managers and others who perform user account and printer management tasks on OpenVMS systems. OpenVMS Management Station provides a comprehensive user interface to OpenVMS user account and printer management. This document also includes release notes for OpenVMS Management Station.

Descriptions of Documents

A.1 Full Documentation Set

OpenVMS Master Index

Offers an edited compilation of indexes from the manuals in the Full Documentation Set.

Note

Index entries shown in the Bookreader version of the *OpenVMS Master Index* refer to page numbers in the hardcopy manuals.

OpenVMS Performance Management

Introduces and explains the techniques used to optimize performance on an OpenVMS system.

OpenVMS Programming Concepts Manual

Describes concepts such as process creation, kernel threads and the kernel threads process structure, interprocess communication, process control, data sharing, condition handling, and ASTs. This manual uses system services, utility routines, and run-time library (RTL) routines to illustrate mechanisms for utilizing OpenVMS features.

OpenVMS Programming Interfaces: Calling a System Routine

Describes the OpenVMS programming interface and defines the standard conventions to call an OpenVMS system routine from a user procedure. The Alpha and VAX data type implementations for various high-level languages are also presented in this manual.

OpenVMS Record Management Services Reference Manual

Provides reference and usage information for all programmers who use RMS data files.

OpenVMS Record Management Utilities Reference Manual

Contains descriptive and reference information about the following RMS utilities:

- Analyze/RMS_File utility
- Convert and Convert/Reclaim utilities
- File Definition Language facility

OpenVMS RTL General Purpose (OTS\$) Manual

Documents the general-purpose routines contained in the OTS\$ facility of the OpenVMS Run-Time Library. This manual indicates which routines are specific to Alpha or VAX, as well as how routines function differently on each system.

OpenVMS RTL Library (LIB\$) Manual

Documents the general-purpose routines contained in the LIB\$ facility of the OpenVMS Run-Time Library. This manual indicates which routines are specific to Alpha or VAX, as well as how routines function differently on each system.

OpenVMS RTL Screen Management (SMG\$) Manual

Documents the screen management routines contained in the SMG\$ facility of the OpenVMS Run-Time Library. This manual indicates which routines are specific to Alpha or VAX, as well as how routines function differently on each system.

OpenVMS RTL String Manipulation (STR\$) Manual

Documents the string manipulation routines contained in the STR\$ facility of the OpenVMS Run-Time Library. This manual indicates which routines are specific to Alpha or VAX, as well as how routines function differently on each system.

OpenVMS System Management Utilities Reference Manual

Presents reference information on the utilities you can use to perform system management tasks on your system as well as the tools to control and monitor system access and resources. This two-part manual also includes a description of the AUTOGEN command procedure.

OpenVMS System Manager's Manual: Essentials

Provides instructions for setting up and maintaining routine operations, such as starting up the system, installing software, and setting up print and batch queues. It also documents routine disk and magnetic tape operations.

OpenVMS System Manager's Manual: Tuning, Monitoring, and Complex Systems

Describes configuring and controlling the network, monitoring the system and performance, and managing system parameters. The manual also includes information on OpenVMS Cluster and network environments and DECdtm functionality.

OpenVMS System Messages: Companion Guide for Help Message Users

Describes features of the Help Message facility, a tool that you can use to display message descriptions. The manual describes the HELP/MESSAGE command and qualifiers and also includes detailed information about customizing the Help Message database. The manual also provides descriptions of messages that can occur when the system and Help Message are not fully operable.

OpenVMS System Services Reference Manual

Presents the set of routines that the operating system uses to control resources, allow process communication, control I/O, and perform other such operating system functions. This manual is in two parts.

OpenVMS User's Manual

Provides an overview of the operating system and presents basic concepts, task information, and reference information that enable you to perform daily computing tasks. It describes how to work with files and directories. It also includes these additional topics:

- Sending messages with the Mail utility and the Phone utility
- Using the Sort/Merge utility
- Using logical names and symbols
- Writing command procedures
- Editing files with the EVE and EDT text editors
- Processing files with DIGITAL Standard Runoff (DSR)

OpenVMS Utility Routines Manual

Describes the routines that allow a program to use the callable interface of selected OpenVMS utilities.

OpenVMS VAX RTL Mathematics (MTH\$) Manual

Documents the mathematics routines contained in the MTH\$ facility of the OpenVMS Run-Time Library, which is relevant only to programmers using OpenVMS VAX. (Alpha programmers should refer to *Digital Portable Mathematics Library*.)

Descriptions of Documents

A.1 Full Documentation Set

OpenVMS VAX System Dump Analyzer Utility Manual

Explains how to use the System Dump Analyzer utility to investigate system failures and examine a running OpenVMS VAX system. VAX programmers should refer to this manual; Alpha programmers should refer to the *OpenVMS Alpha System Dump Analyzer Utility Manual*.

OpenVMS Version 7.1 New Features Manual

Describes new and improved components for the Alpha and VAX operating systems for Version 7.1 release.

OpenVMS Version 7.1 Release Notes

Describes temporary problems and bug fixes to the Alpha and VAX operating systems.

Overview of OpenVMS Documentation

Provides a general introduction to the documentation set. This manual explains how the set is organized, describes all of its components, and provides ordering information.

POLYCENTER Software Installation Utility Developer's Guide

Describes the procedure and provides guidelines for developing software products that will be installed using the POLYCENTER Software Installation utility. Intended for developers who are designing installation procedures for software products layered on the OpenVMS operating system.

Porting VAX MACRO Code to OpenVMS Alpha

Describes how you can port existing VAX MACRO assembly language code to an OpenVMS Alpha system by using the features of the MACRO-32 compiler. It provides information to help you identify and correct VAX MACRO code that relies on elements of the VAX architecture. The manual examines the function of each compiler directive and built-in, explaining the circumstances under which it is necessary to add a directive or built-in to VAX MACRO assembly language code. It also discusses the qualifiers that govern the behavior of the compiler.

TCP/IP Networking on OpenVMS Systems

Provides an introductory overview of TCP/IP networking and describes OpenVMS DCL support for TCP/IP capabilities.

VAX MACRO and Instruction Set Reference Manual

Documents both the assembler directives of VAX MACRO and the VAX instruction set.

Volume Shadowing for OpenVMS

Describes how to provide high data availability with phase II volume shadowing.

Writing OpenVMS Alpha Device Drivers in C

Provides definitive information about writing device drivers in the C programming language for devices connected to Alpha processors.

A.2 Media Kit

This section provides a description of each manual in the media kit.

Guide to OpenVMS Version 7.1 CD-ROMs

Provides information about the OpenVMS Alpha and OpenVMS VAX operating system and documentation CD-ROMs. It lists the contents of the OpenVMS Version 7.1 CD-ROM package, includes pointers to installation information, and gives instructions on how to access manuals on the Documentation CD-ROM.

OpenVMS Alpha Version 7.1 Upgrade and Installation Manual

Provides step-by-step instructions for installing and upgrading the OpenVMS Alpha operating system on Alpha computers. It also includes information about booting, shutdown, backup, and licensing procedures.

OpenVMS VAX Version 7.1 Upgrade and Installation Manual

Provides step-by-step instructions for installing and upgrading the OpenVMS VAX computers. It also includes information about booting, shutdown, backup, and licensing procedures.

OpenVMS License Management Utility Manual

Describes the License Management Facility (LMF), the software license management tool. LMF includes the License Management Utility (LICENSE) and the command procedure VMSLICENSE.COM, which is used to register, manage, and track software licenses on line.

A.3 System Integrated Product

RMS Journaling for OpenVMS Manual

Describes the three types of RMS Journaling as well as other OpenVMS components that support RMS Journaling. This manual also describes the RMS Recovery utility (which is used to recover data saved using journaling), the transaction processing system services, and system management tasks required when using RMS Journaling.

A.4 Archived Manuals

This section provides a description of each archived manual.

A Comparison of System Management on OpenVMS AXP and OpenVMS VAX

Discusses system management tools, the impact of Alpha page sizes on system management operations, the system directory structure, interoperability issues, and performance information. This manual is designed for system managers who need to learn quickly how to manage an OpenVMS Alpha system.

Building Dependable Systems: The OpenVMS Approach

Offers practical information about analyzing the dependability requirements of your business applications and deciding how to use your computing systems to support your dependability goals. This information is complemented by technical summaries of the dependability features of OpenVMS and related hardware and layered software products.

Creating an OpenVMS AXP Step 2 Device Driver from a Step 1 Device Driver

Provides information for upgrading a Step 1 device driver (used in earlier versions of OpenVMS AXP) to a Step 2 device driver. A Step 2 device driver is required for OpenVMS AXP Version 6.1.

Creating an OpenVMS AXP Step 2 Device Driver from an OpenVMS VAX Device Driver

Provides information for migrating a device driver used on OpenVMS VAX to a Step 2 device driver used on OpenVMS AXP Version 6.1.

Guide to OpenVMS AXP Performance Management

Introduces and explains the techniques used to optimize performance on an OpenVMS Alpha system.

Descriptions of Documents

A.4 Archived Manuals

Guide to OpenVMS Performance Management

Introduces and explains the techniques used to optimize performance on an OpenVMS VAX system.

Migrating an Environment from OpenVMS VAX to OpenVMS Alpha

Describes how to migrate a computing environment from an OpenVMS VAX system to an OpenVMS Alpha system or a mixed-architecture cluster. It provides an overview of the VAX to Alpha migration process and describes the differences in system and network management on VAX and Alpha computers.

Migrating to an OpenVMS AXP System: Planning for Migration

Describes the general characteristics of RISC architectures, compares the Alpha architecture to the VAX architecture, and presents an overview of the migration process and a summary of migration tools provided by Digital. The information in this manual is intended to help you define the optimal migration strategy for your application.

Migrating to an OpenVMS AXP System: Recompiling and Relinking Applications

Provides detailed technical information for programmers who must migrate high-level language applications to OpenVMS Alpha. This manual describes how to set up a development environment to facilitate the migration of applications, helps programmers identify application dependencies on elements of the VAX architecture, and introduces compiler features that help resolve these dependencies. Individual sections of this manual discuss specific application dependencies on VAX architectural features, data porting issues (such as alignment concerns), and the process of migrating VAX shareable images.

OpenVMS AXP Device Support: Developer's Guide

Describes how to write a driver for OpenVMS Alpha for a device not supplied by Digital.

OpenVMS AXP Device Support: Reference

Provides the reference material for the *Writing OpenVMS Alpha Device Drivers in C* by describing the data structures, macros, and routines used in device-driver programming.

OpenVMS Bad Block Locator Utility Manual

Describes how to use the Bad Block Locator utility to locate bad blocks on older types of media.

OpenVMS Compatibility Between VAX and Alpha

Compares and contrasts OpenVMS on VAX and Alpha computers, focusing on the features provided to end users, system managers, and programmers.

OpenVMS Developer's Guide to VMSINSTAL

Describes the VMSINSTAL command procedure and provides guidelines for designing installation procedures that conform to standards recommended by Digital. Intended for developers who are designing installation procedures for software products layered on the OpenVMS operating system.

OpenVMS DIGITAL Standard Runoff Reference Manual

Describes the DSR text-formatting utility.

OpenVMS EDT Reference Manual

Contains complete reference information for the EDT editor.

OpenVMS Exchange Utility Manual

Describes how to use the Exchange utility to transfer files between some foreign format volumes and OpenVMS native volumes.

OpenVMS Glossary

Defines terms specific to OpenVMS that are used throughout the documentation.

OpenVMS National Character Set Utility Manual

Describes how to use the National character set utility to build NCS definition files.

OpenVMS Obsolete Features Manual

Presents the DCL commands, system services, RTL routines, and utilities made obsolete by VMS Version 4.0 through Version 5.0. The manual also has an appendix of DCL commands, RTL routines, and utilities eliminated from VMS Version 4.0.

OpenVMS Programming Environment Manual

Provides a general description of Digital products and tools that define the programming environment. This manual introduces facilities and tools such as the compilers, the linker, the debugger, the System Dump Analyzer, system services, and routine libraries.

OpenVMS RTL DECTalk (DTK\$) Manual

Documents the DECTalk support routines contained in the DTK\$ facility of the OpenVMS Run-Time Library.

OpenVMS RTL Parallel Processing (PPL\$) Manual

Documents the parallel-processing routines contained in the PPL\$ facility of the OpenVMS Run-Time Library. This manual indicates which routines are specific to Alpha or VAX, as well as how routines function differently on each system.

OpenVMS Software Overview

Provides an overview of the OpenVMS operating system and some of its available products.

OpenVMS SUMSLP Utility Manual

Describes how to use the SUMSLP batch-oriented editor to update source files.

OpenVMS System Messages and Recovery Procedures Reference Manual

Contains an alphabetical listing of the errors, warnings, and informational messages issued by the operating system. Also provides the meaning of each message and a statement of the action to be taken in response to each message. This manual is in two parts.

OpenVMS Terminal Fallback Utility Manual

Describes how to use the Terminal Fallback utility to manage the libraries, character conversion tables, and terminal parameters that are available within this utility.

OpenVMS VAX Card Reader, Line Printer, and LPA11-K I/O User's Reference Manual

Describes the card reader, laboratory peripheral accelerator, and line printer drivers on OpenVMS VAX.

OpenVMS VAX Device Support Manual

Describes how to write an OpenVMS VAX driver for a device not supplied by Digital.

Descriptions of Documents

A.4 Archived Manuals

OpenVMS VAX Device Support Reference Manual

Provides the reference material for the *OpenVMS VAX Device Support Manual* by describing the data structures, macros, and routines used in device-driver programming.

OpenVMS VAX Patch Utility Manual

Describes how to use the Patch utility to examine and modify executable and shareable OpenVMS VAX images.

OpenVMS Wide Area Network I/O User's Reference Manual

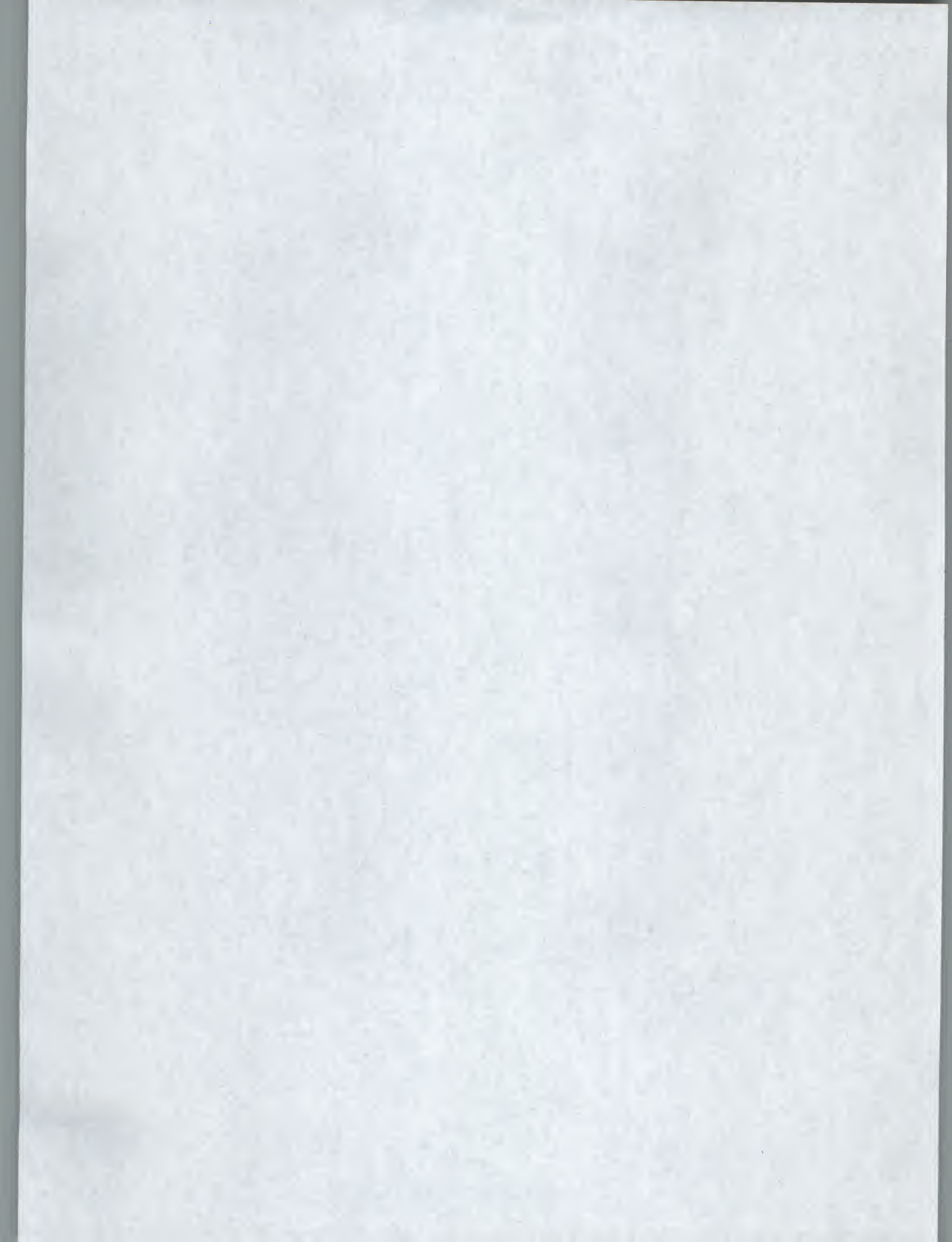
Describes the DMC11/DMR11, DMP11 and DMF32, DR11-W and DRV11-WA, DR32, and asynchronous DDCMP interface drivers on OpenVMS VAX.

PDP-11 TECO User's Guide

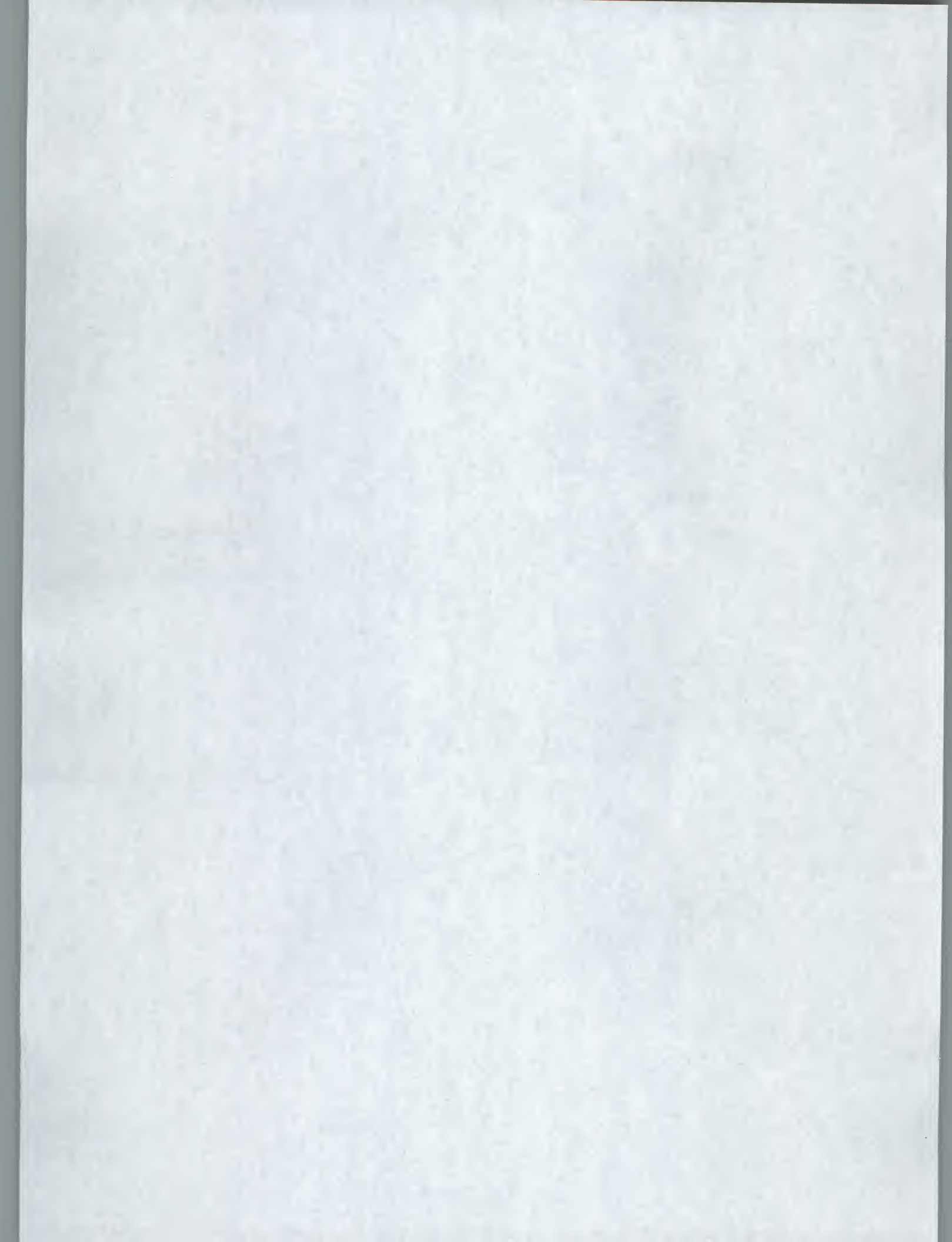
Describes the operating procedures for the PDP-11 TECO (Text Editor and Corrector) program.

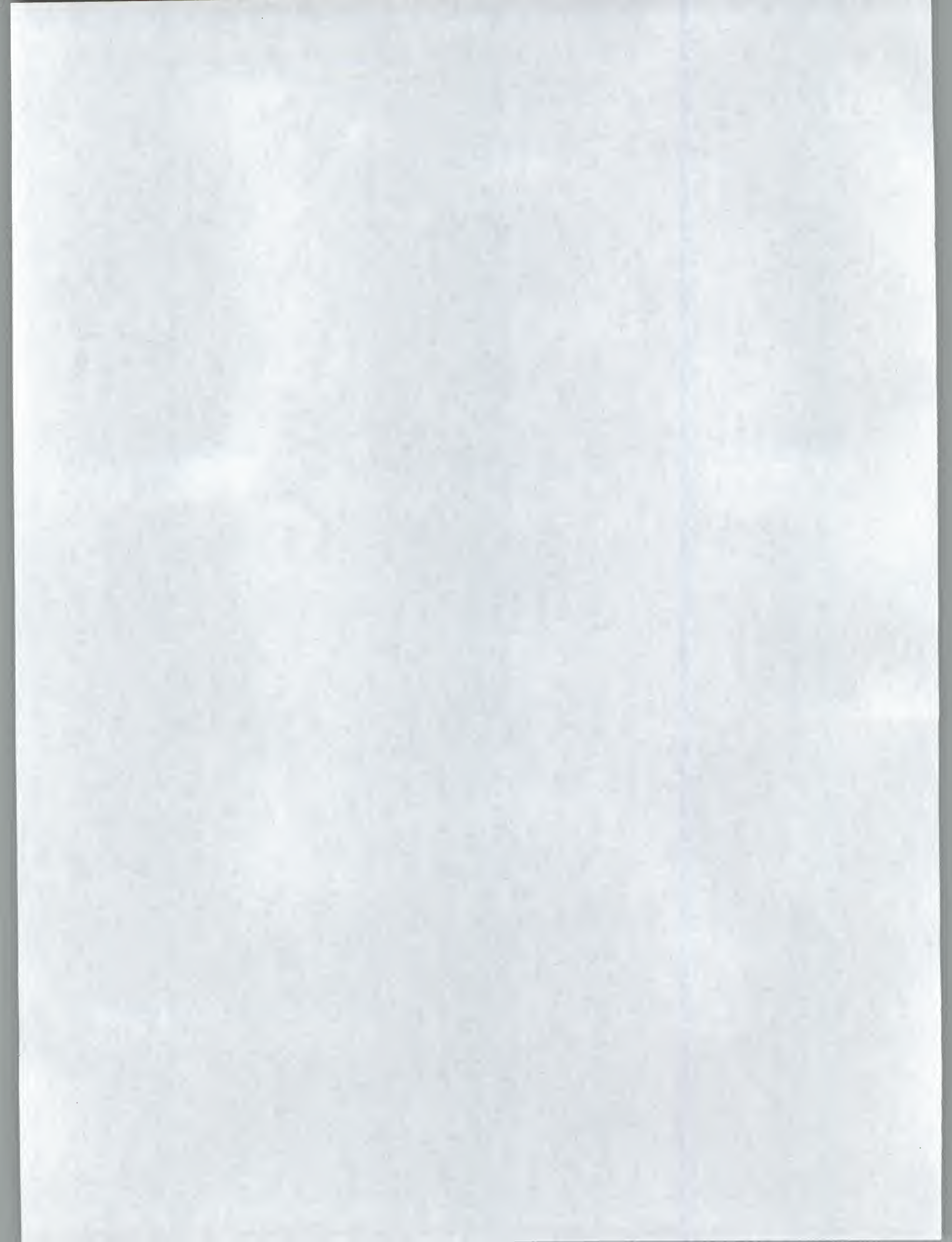
POLYCENTER Software Installation Utility User's Guide

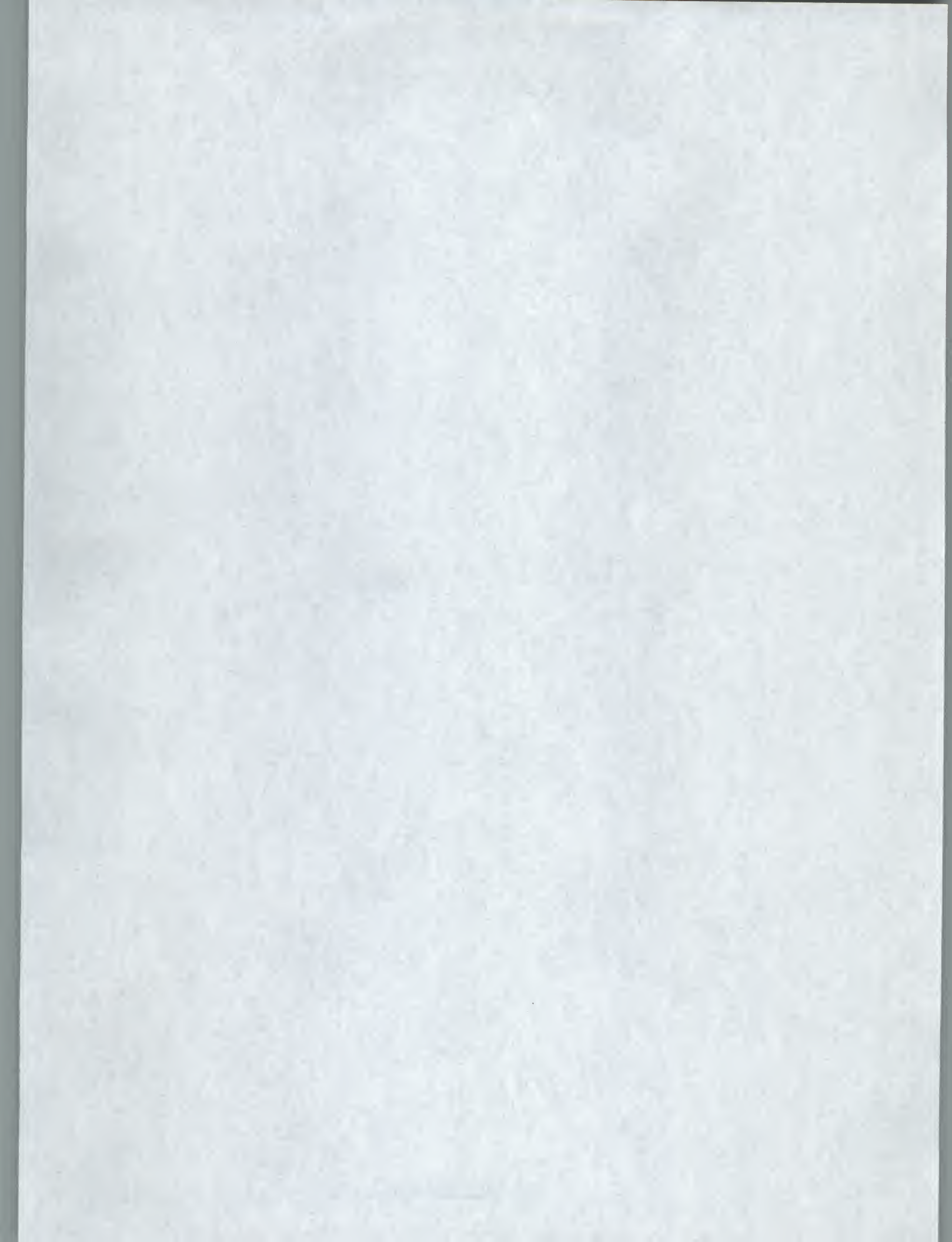
Provides information on the POLYCENTER Software Installation utility, a new component that lets you install and manage software products that are compatible with the utility.

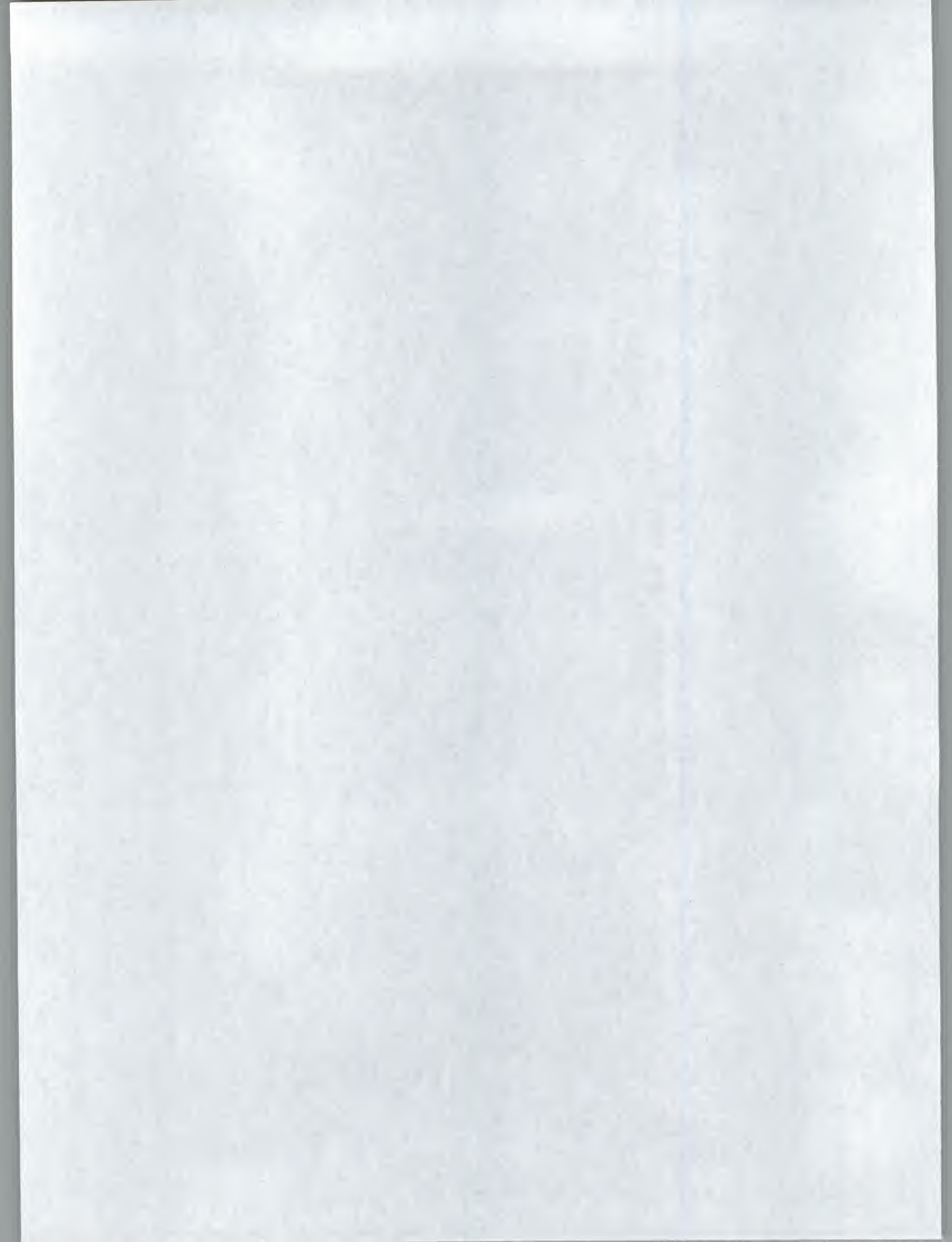


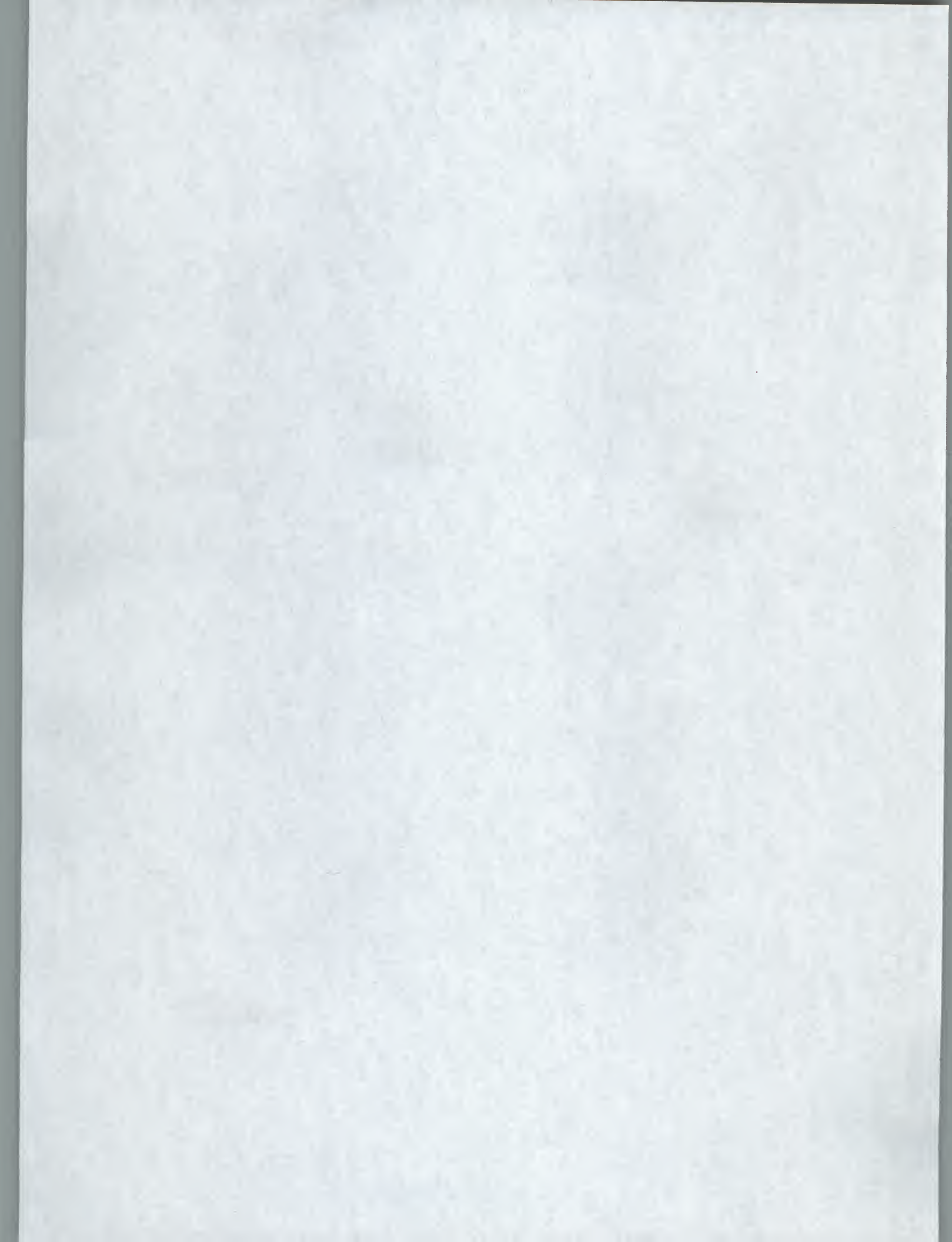


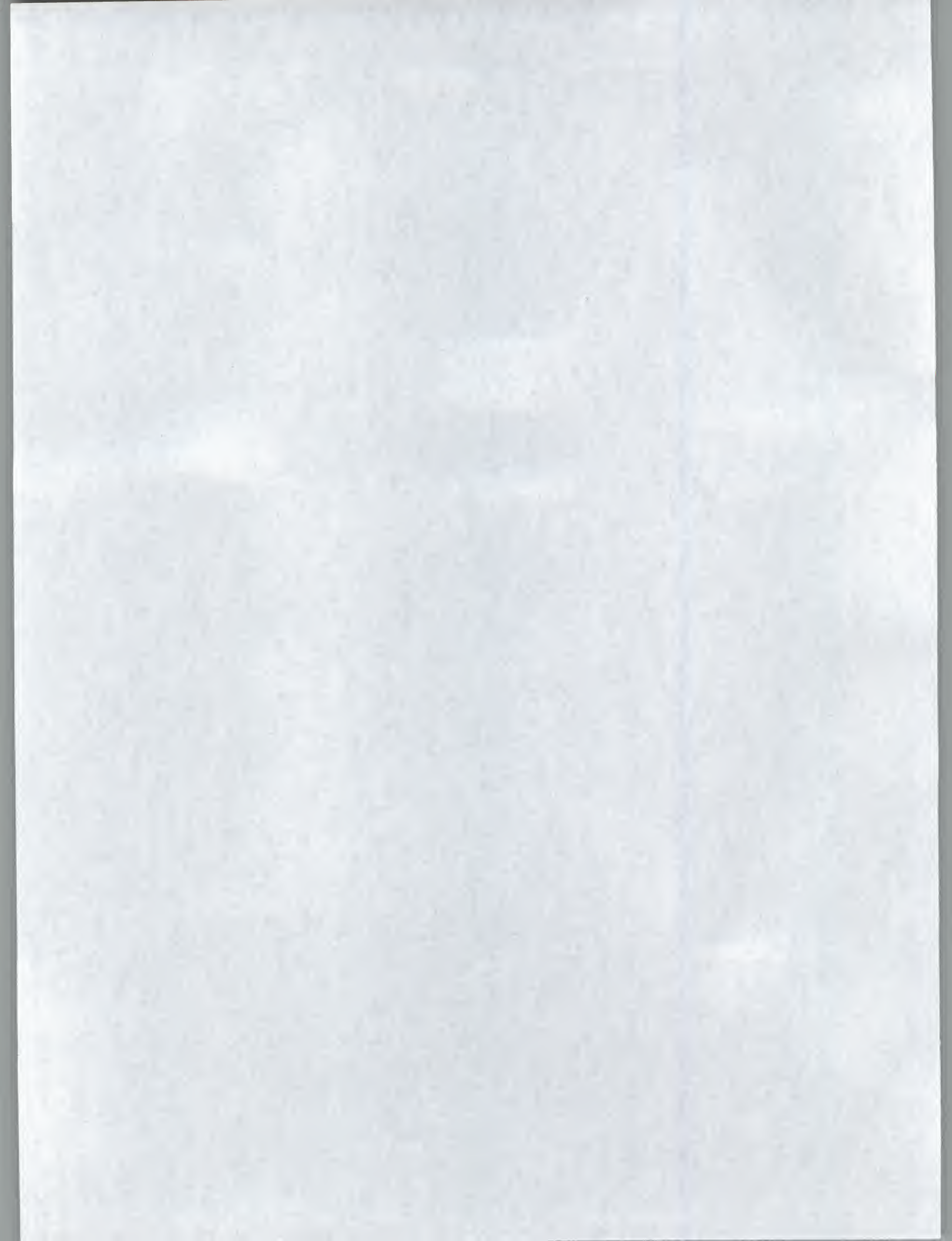


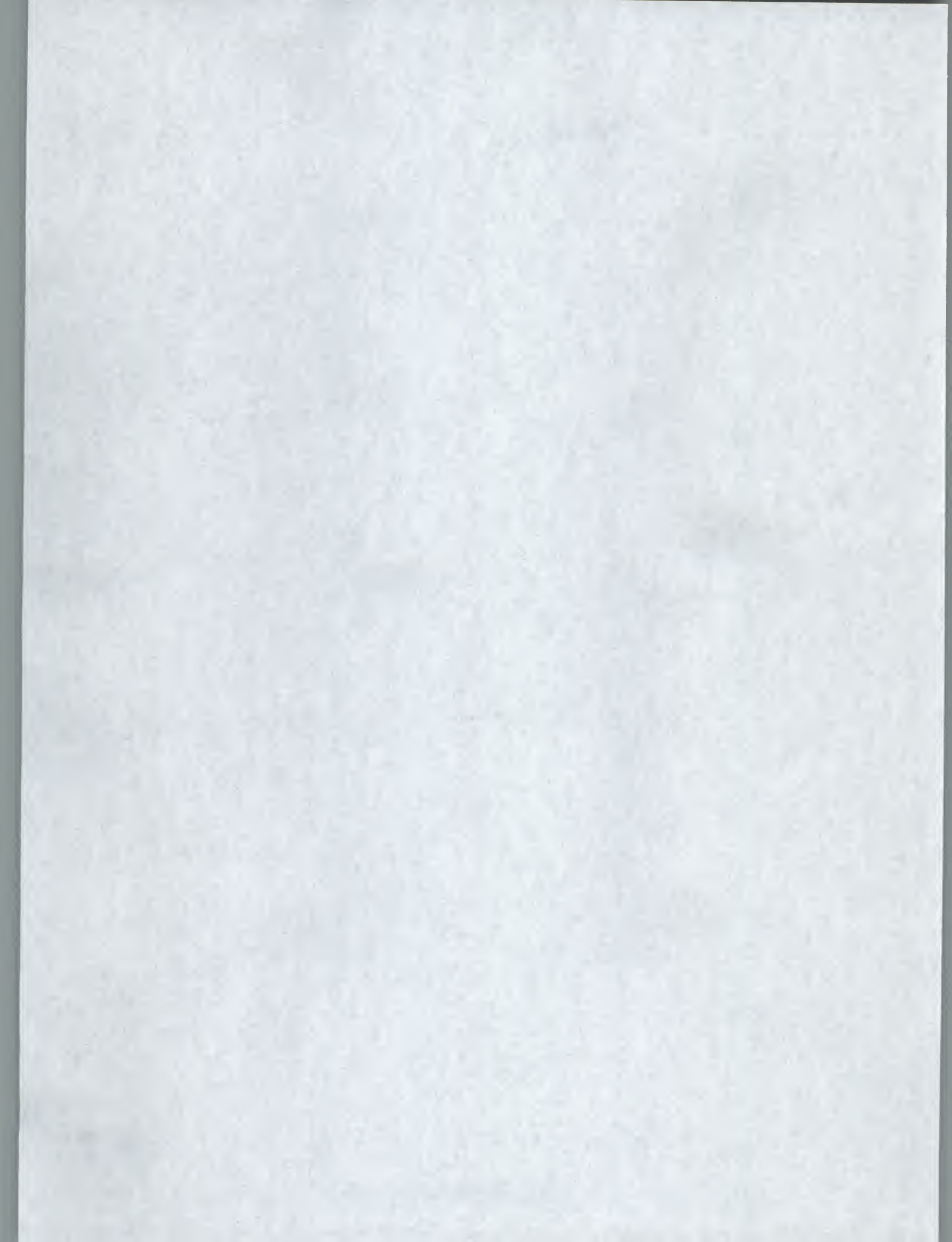


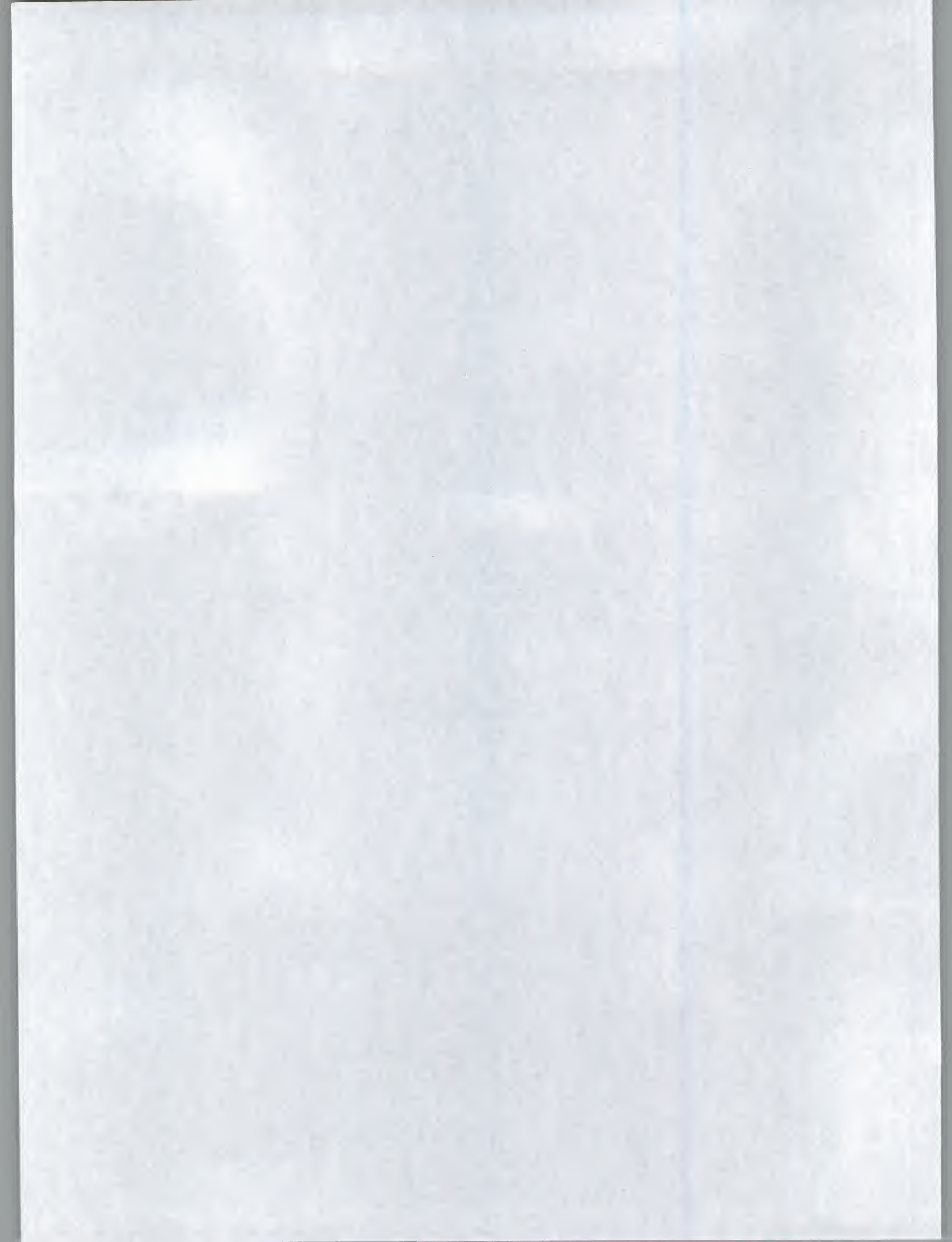


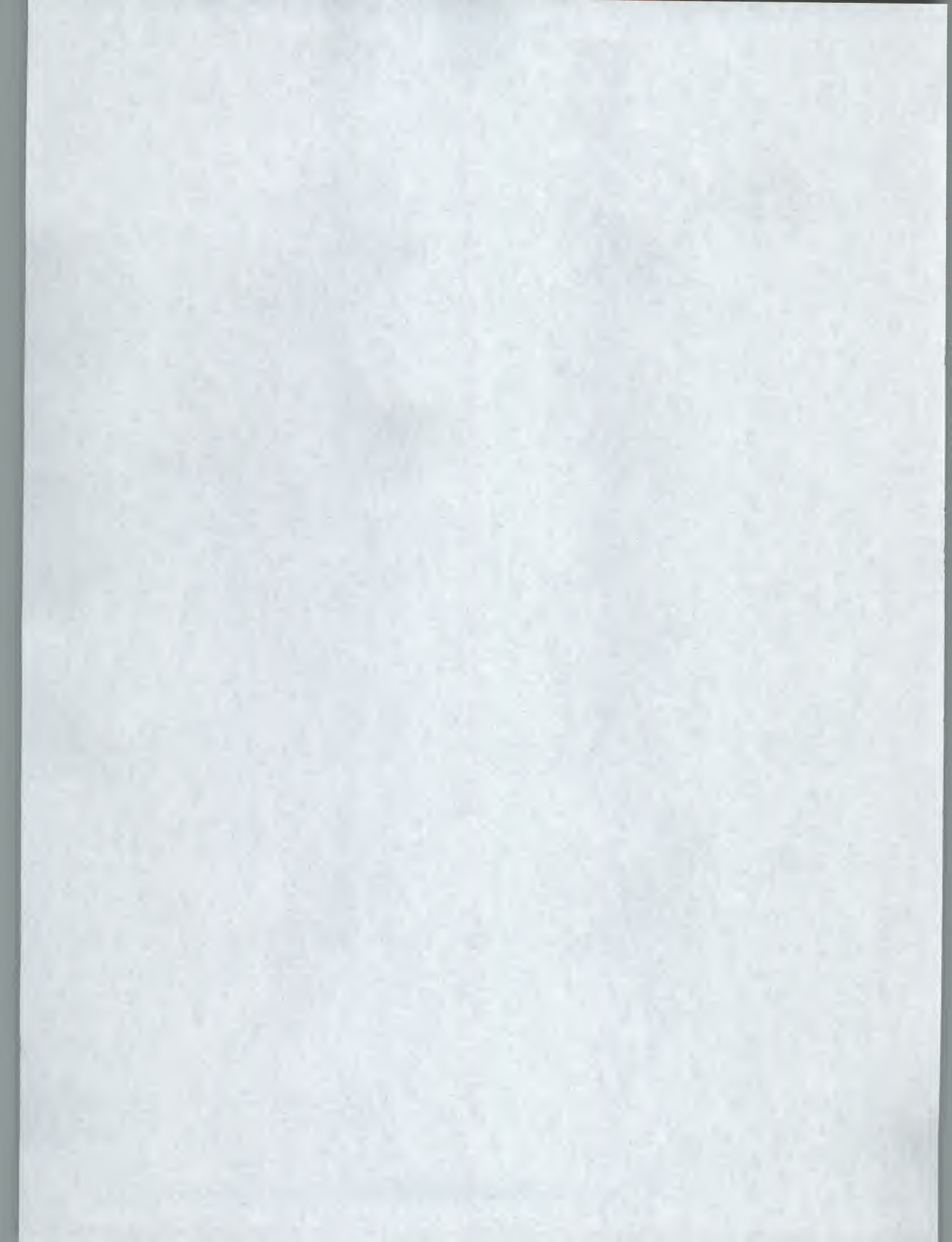


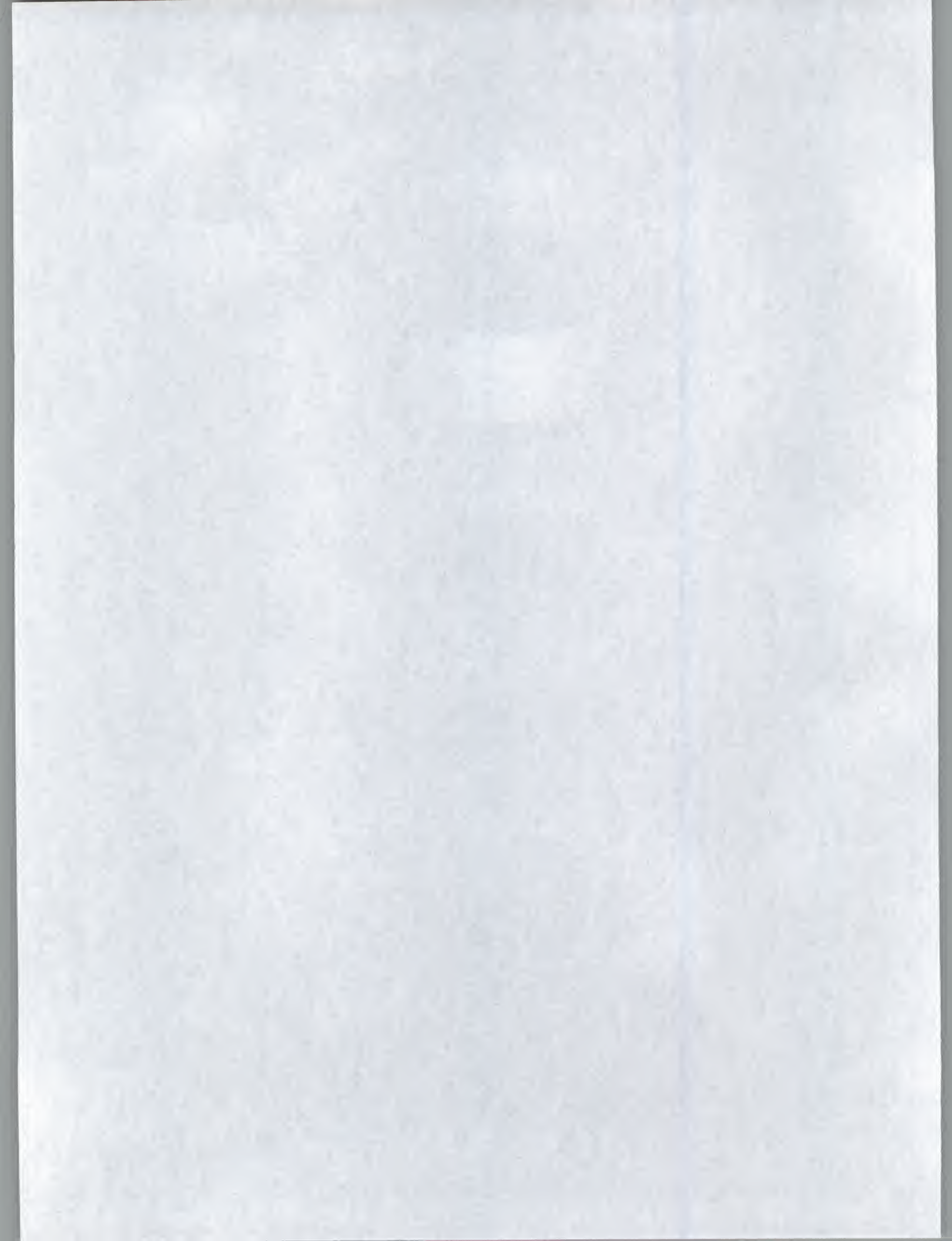


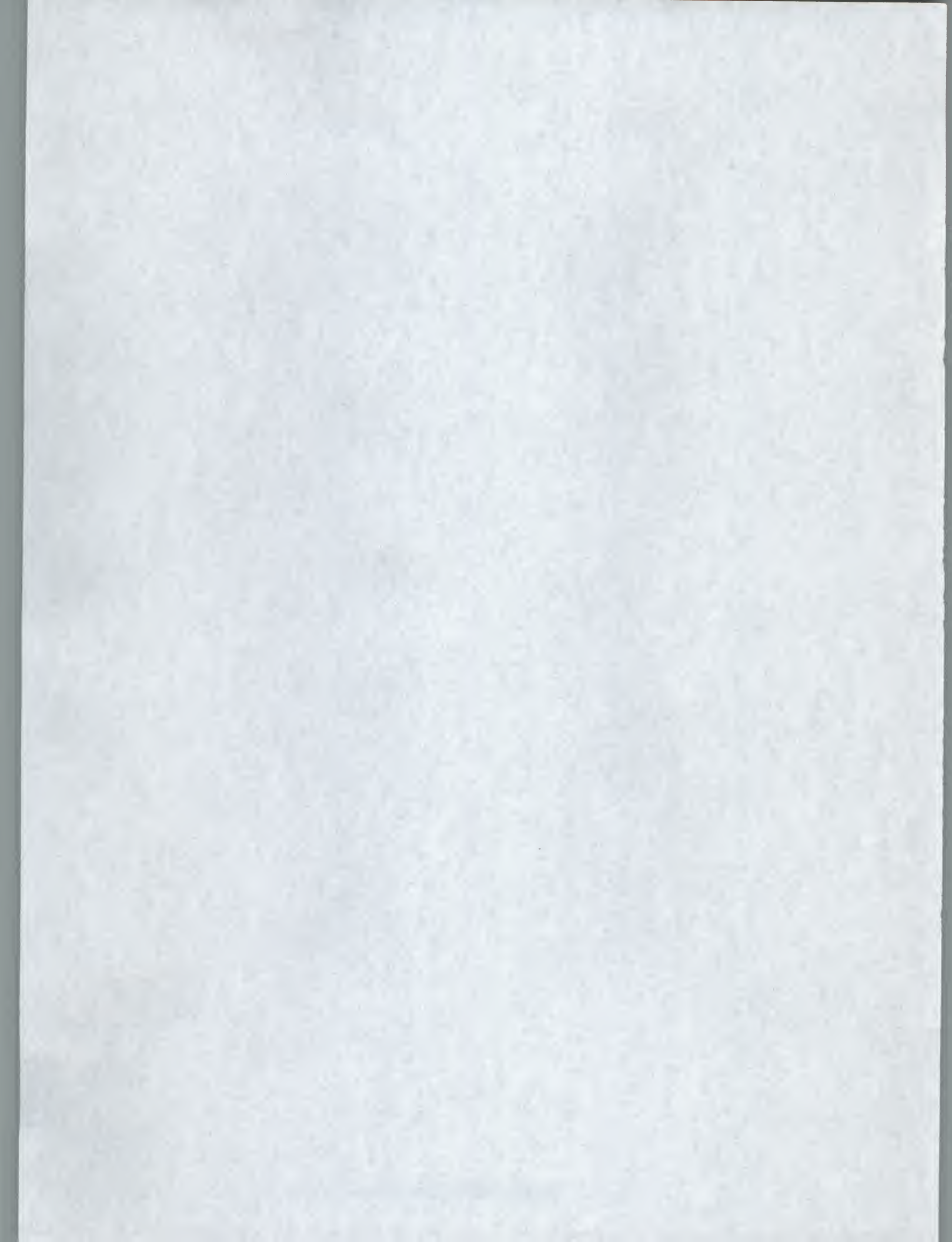


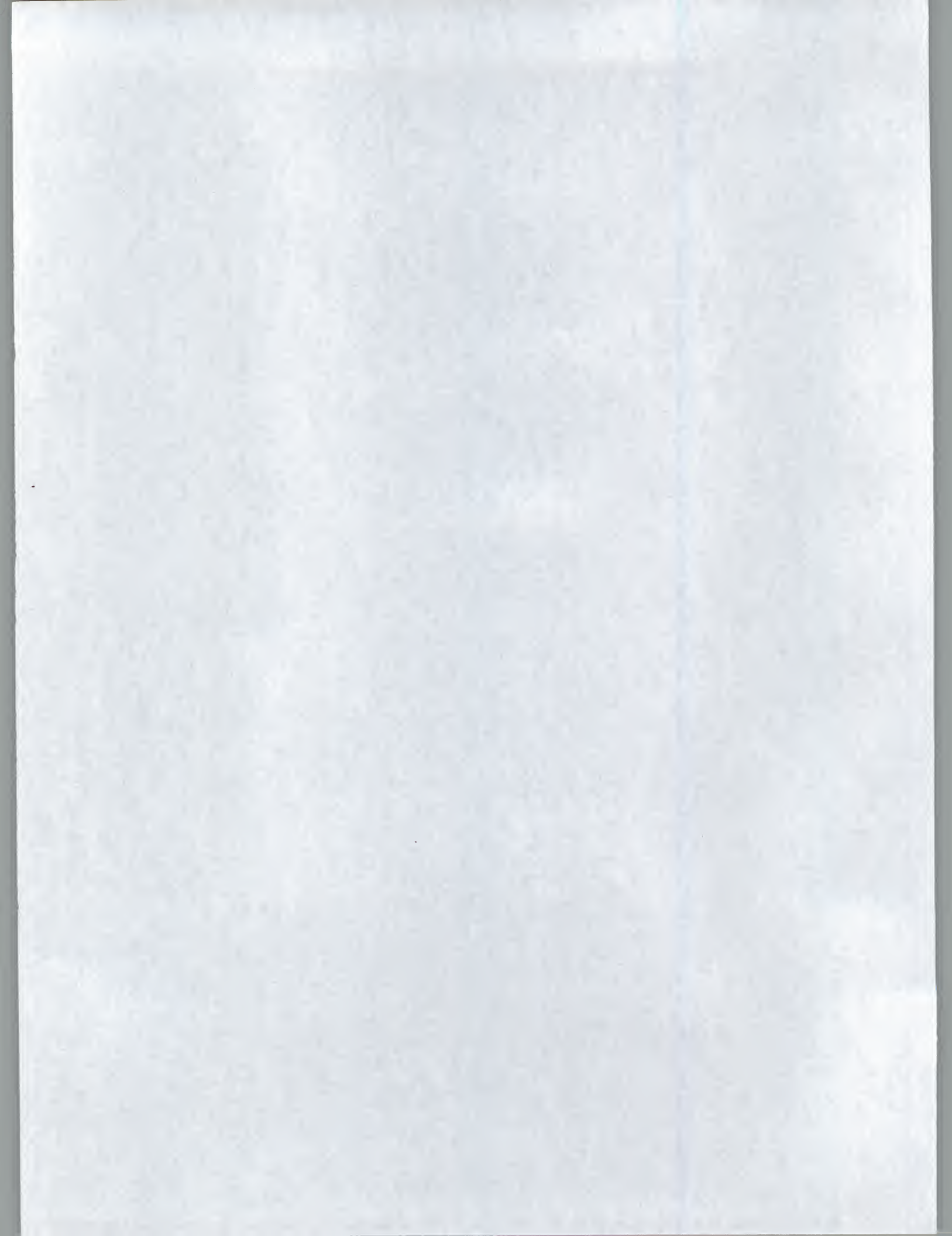


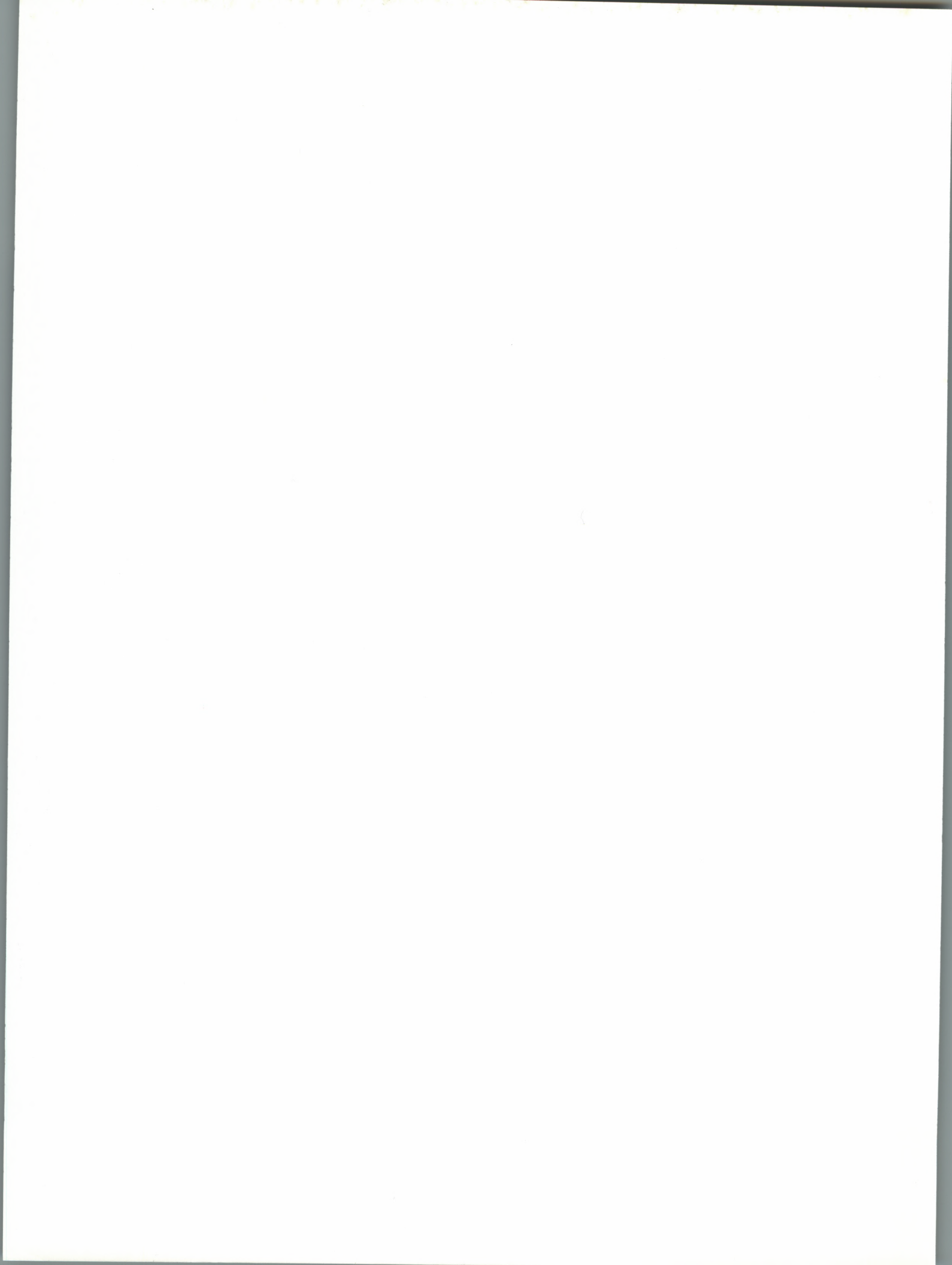












Overview of OpenVMS Documentation

OpenVMS





Overview of OpenVMS Documentation

Order Number: AA-QSBEA-TE

December 1995

This manual contains a brief description of the OpenVMS documentation set and includes a short summary of each manual for OpenVMS Alpha Version 7.0 and OpenVMS VAX Version 7.0.

Revision/Update Information: This manual supersedes the *Overview of OpenVMS Documentation*, Version 6.2.

Software Version: OpenVMS Alpha Version 7.0
OpenVMS VAX Version 7.0

Digital Equipment Corporation
Maynard, Massachusetts

December 1995

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ZK4511

This document is available on CD-ROM.

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Preface

Reader's Comments

Digital welcomes your comments on this manual.

Print or edit the online form SYS\$HELP:OPENVMSDOC_COMMENTS.TXT and send us your comments by:

Internet	openvmsdoc@zko.mts.dec.com
Fax	603 881-0120, Attention: OpenVMS Documentation, ZK03-4/U08
Mail	OpenVMS Documentation Group, ZKO3-4/U08 110 Spit Brook Rd. Nashua, NH 03062-2698

How To Order Additional Documentation

Use the following table to order additional documentation or information. If you need help deciding which documentation best meets your needs, call 800-DIGITAL (800-344-4825).

Telephone and Direct Mail Orders

Location	Call	Fax	Write
U.S.A.	DECdirect 800-DIGITAL 800-344-4825	Fax: 800-234-2298	Digital Equipment Corporation P.O. Box CS2008 Nashua, NH 03061
Puerto Rico	809-781-0505	Fax: 809-749-8300	Digital Equipment Caribbean, Inc. 3 Digital Plaza, 1st Street, Suite 200 P.O. Box 11038 Metro Office Park San Juan, Puerto Rico 00910-2138
Canada	800-267-6215	Fax: 613-592-1946	Digital Equipment of Canada, Ltd. Box 13000 100 Herzberg Road Kanata, Ontario, Canada K2K 2A6 Attn: DECdirect Sales
International	—	—	Local Digital subsidiary or approved distributor
Internal Orders	DTN: 264-4446 603-884-4446	Fax: 603-884-3960	U.S. Software Supply Business Digital Equipment Corporation 10 Cotton Road Nashua, NH 03063-1260

ZK-7654A-GE

Conventions

The name of the OpenVMS AXP operating system has been changed to OpenVMS Alpha. Any references to OpenVMS AXP or AXP are synonymous with OpenVMS Alpha or Alpha.

The following conventions are used to identify information specific to OpenVMS Alpha or to OpenVMS VAX:

Alpha

The Alpha icon denotes the beginning of information specific to OpenVMS Alpha.

VAX

The VAX icon denotes the beginning of information specific to OpenVMS VAX.



The diamond symbol denotes the end of a section of information specific to OpenVMS Alpha or to OpenVMS VAX.

1 Overview

This manual is a guide to the OpenVMS documentation set for OpenVMS Alpha Version 7.0 and OpenVMS VAX Version 7.0. It provides information about the contents of the documentation set and provides ordering information for each of the components in the OpenVMS documentation set.

This manual helps you choose the documentation that best suits your needs. It describes the components of the complete OpenVMS documentation set, provides ordering information, and lists order numbers for all components.

A combination of printed and Bookreader manuals are being provided to support OpenVMS Version 7.0.

Section 2.1 and Section 2.2 list the manuals that have been revised for our printed documentation set for Version 7.0. Several of the manuals in the OpenVMS Documentation Set were revised only in Bookreader format. Refer to Section 2.3 for a list of manuals that have been revised only in Bookreader format and to the *OpenVMS Version 7.0 Release Notes* and the *OpenVMS Version 7.0 New Features Manual* for information concerning operating system changes that are not included in our printed documentation. In most cases, no changes have been made to the user operation of the components associated with these manuals.

1.1 Documentation Formats

OpenVMS documentation is available in a variety of formats:

- Printed books (hard copy)
- Online viewable books (using the DECwindows Bookreader application)
OpenVMS customers receive the Version 7.0 documentation set in online viewable format with their OpenVMS CD-ROM kit, which contains a separate documentation CD-ROM. For more information about online documentation, see Section 6.
- Printable files in ASCII text and PostScript formats

2 What's New in Version 7.0

This section describes the changes to the OpenVMS documentation set for OpenVMS Version 7.0.

2.1 New Documentation for This Release

The following new manuals are in the OpenVMS Version 7.0 documentation set:

- *Guide to OpenVMS Version 7.0 CD-ROMs*
- *Migrating an Application from OpenVMS VAX to OpenVMS Alpha*
- *Migrating an Environment from OpenVMS VAX to OpenVMS Alpha*
- *OpenVMS Alpha Guide to 64-Bit Addressing*
- *OpenVMS Alpha Guide to Upgrading Privileged-Code Applications*
- *OpenVMS Alpha Version 7.0 Upgrade and Installation Manual*
- *OpenVMS VAX Version 7.0 Upgrade and Installation Manual*
- *OpenVMS Version 7.0 New Features Manual*

- *OpenVMS Version 7.0 Release Notes*

See Appendix A in this document for a description of these manuals.

2.2 Updated Printed Documentation for This Release

The following manuals have been revised in printed and Bookreader formats for Version 7.0:

- *Guide to DECthreads*
- *OpenVMS Calling Standard*
- *OpenVMS Command Definition, Librarian, and Message Utilities Manual*
- *OpenVMS Debugger Manual*
- *OpenVMS Master Index*
- *OpenVMS RTL Library (LIB\$) Manual*
- *OpenVMS System Services Reference Manual: A-GETMSG*
- *OpenVMS System Services Reference Manual: GETQUI-Z*
- *Overview of OpenVMS Documentation*

2.3 Updated Bookreader Documentation for This Release

The following manuals have been revised in Bookreader format for Version 7.0. In addition, printable PostScript files are provided on the Documentation CD-ROM. For information about printing the files, see the *Guide to OpenVMS Version 7.0 CD-ROMs*.

- *DECams User's Guide*
- *OpenVMS Alpha System Dump Analyzer Manual*
- *OpenVMS DCL Dictionary: A-M (Version 7.0)*
- *OpenVMS DCL Dictionary: N-Z (Version 7.0)*
- *OpenVMS I/O User's Reference Manual*
- *OpenVMS Linker Utility Manual*
- *OpenVMS Programming Concepts Manual*
- *OpenVMS Record Management Services Reference Manual*
- *OpenVMS RTL General Purpose (OTS\$) Manual*
- *OpenVMS RTL Screen Management Purpose (SMG\$) Manual*
- *OpenVMS RTL String Manipulation (STR\$) Manual*
- *OpenVMS Software Overview*
- *OpenVMS System Manager's Manual: Essentials*
- *OpenVMS System Manager's Manual: Tuning, Monitoring, and Complex Systems*
- *OpenVMS User's Manual*
- *OpenVMS Utility Routines Manual*
- *POLYCENTER Software Installation Utility Developer's Guide*

2.4 Revised Version 6.2 DCL Dictionary

The *OpenVMS DCL Dictionary: A–M* Version 6.2 and the *OpenVMS DCL Dictionary: N–Z* Version 6.2 have been revised and reissued for OpenVMS Version 7.0. Customers running OpenVMS Version 6.2 should use this new edition of the OpenVMS DCL Dictionary Version 6.2, order numbers AA–PVSKD–TK and AA–PVSLD–TK.

In addition, the Version 7.0 DCL Dictionary is available in Bookreader and PostScript formats on the Documentation CD-ROM.

3 Components of OpenVMS Documentation

OpenVMS documentation consists of the following documentation components:

- Full Documentation Set (which includes the Base Documentation Set)
- Base Documentation Set
- System Integrated Products (SIPs)
- Online help
- Help Message facility
- Printable documentation options in the OpenVMS VAX installation procedure

The components of the various documentation sets are described in this section.

The OpenVMS hardcopy documentation offering is made up of the following two sets that can be ordered separately:

Set	Order Number
OpenVMS Full Documentation Set	QA-001AA-GZ.7.0
OpenVMS Base Set (subset of Full Documentation Set)	QA-09SAA-GZ.7.0

The OpenVMS Full Documentation Set contains the OpenVMS Base Set. Table 1 lists the books included in the OpenVMS Full and Base Documentation Sets. You can order documentation by sets or by individual manuals.

The installation information for your OpenVMS operating system is included in the media kit for your software.

3.1 OpenVMS Full Documentation Set

Table 1 lists the documents in the OpenVMS Full Documentation Set and the OpenVMS Base Set.

Table 1 OpenVMS Full Documentation Set

Manual	Order Number
OpenVMS Base Subset	
<i>Migrating an Application from OpenVMS VAX to OpenVMS Alpha</i>	AA-QSBKA-TE
<i>Migrating an Environment from OpenVMS VAX to OpenVMS Alpha</i>	AA-QSBLA-TE
<i>OpenVMS Compatibility Between VAX and Alpha</i>	AA-PYQ4C-TE
<i>OpenVMS DCL Dictionary: A-M (revised Version 6.2)</i>	AA-PV5KD-TK
<i>OpenVMS DCL Dictionary: N-Z (revised Version 6.2)</i>	AA-PV5LD-TK
<i>OpenVMS Guide to System Security</i>	AA-Q2HLB-TE
<i>OpenVMS Management Station Overview and Release Notes</i>	AA-QJGCA-TE
<i>OpenVMS Master Index (Version 6.2)</i>	AA-PV5VC-TK
<i>OpenVMS Master Index (Version 7.0)</i>	AA-QSBSA-TE
<i>OpenVMS System Management Utilities Reference Manual: A-L</i>	AA-PV5PC-TK
<i>OpenVMS System Management Utilities Reference Manual: M-Z</i>	AA-PV5QC-TK
<i>OpenVMS System Manager's Manual: Essentials</i>	AA-PV5MC-TK
<i>OpenVMS System Manager's Manual: Tuning, Monitoring, and Complex Systems</i>	AA-PV5NC-TK
<i>OpenVMS User's Manual</i>	AA-PV5JB-TK
<i>OpenVMS Version 6.2 New Features Manual</i>	AA-QJEEA-TE
<i>OpenVMS Version 7.0 New Features Manual</i>	AA-QSBFA-TE
<i>OpenVMS Version 6.2 Release Notes Addendum</i>	AA-QMCHA-TE
<i>OpenVMS Version 6.2 Release Notes</i>	AA-QJEFA-TE
<i>OpenVMS Version 7.0 Release Notes</i>	AA-QSBTA-TE
<i>Overview of OpenVMS Documentation (Version 6.2)</i>	AA-PV6YC-TK
<i>Overview of OpenVMS Documentation (Version 7.0)</i>	AA-QSBEA-TE
<i>TCP/IP Networking on OpenVMS Systems</i>	AA-QJGDA-TE
<hr/>	
<i>A Comparison of System Management on OpenVMS AXP and OpenVMS VAX</i>	AA-PV71B-TE
<i>Building Dependable Systems: The OpenVMS Approach</i>	AA-PV5YB-TE
<i>Creating an OpenVMS AXP Step 2 Device Driver from a Step 1 Device Driver</i>	AA-Q28TA-TE
<i>Creating an OpenVMS AXP Step 2 Device Driver from an OpenVMS VAX Device Driver</i>	AA-Q28UA-TE
<i>DECams User's Guide</i>	AA-Q3JSB-TE
<i>DECnet for OpenVMS Guide to Networking</i>	AA-PV5ZA-TK
<i>DECnet for OpenVMS Networking Manual</i>	AA-PV60A-TK
<i>DECnet for OpenVMS Network Management Utilities</i>	AA-PV61A-TK
<i>DEC Text Processing Utility Reference Manual</i>	AA-PWCCA-TE
<i>Digital Portable Mathematics Library</i>	AA-PV6VB-TE

(continued on next page)

Table 1 (Cont.) OpenVMS Full Documentation Set

Manual	Order Number
<i>Extensible Versatile Editor Reference Manual</i>	AA-PWCDA-TE
<i>Guide to Creating OpenVMS Modular Procedures</i>	AA-PV6AA-TK
<i>Guide to DECthreads (Version 6.1)</i>	AA-Q39DA-TK
<i>Guide to DECthreads (Version 7.0)</i>	AA-QSBPA-TE
<i>Guide to the DEC Text Processing Utility</i>	AA-PWCBA-TE
<i>Guide to OpenVMS AXP Performance Management</i>	AA-Q28WA-TE
<i>Guide to OpenVMS File Applications</i>	AA-PV6PA-TK
<i>Guide to OpenVMS Performance Management</i>	AA-PV5XA-TE
<i>Guidelines for VMScluster System Configurations</i>	AA-Q28LA-TK
<i>Migrating to an OpenVMS AXP System: Planning for Migration</i>	AA-PV62A-TE
<i>Porting VAX MACRO Code from OpenVMS VAX to OpenVMS Alpha</i>	AA-PV64A-TE
<i>Migrating to an OpenVMS AXP System: Recompiling and Relinking Applications</i>	AA-PV63A-TE
<i>OpenVMS Alpha Guide to 64-Bit Addressing</i>	AA-QSBGA-TE
<i>OpenVMS Alpha Guide to Upgrading Privileged-Code Applications</i>	AA-QSBGA-TE
<i>OpenVMS AXP Device Support: Developer's Guide</i>	AA-Q28SA-TE
<i>OpenVMS AXP Device Support: Reference</i>	AA-Q28PA-TE
<i>OpenVMS AXP System Dump Analyzer Utility Manual</i>	AA-PV6UB-TE
<i>OpenVMS Calling Standard (Version 6.1)</i>	AA-PV69B-TK
<i>OpenVMS Calling Standard (Version 7.0)</i>	AA-QSBBA-TE
<i>OpenVMS Command Definition, Librarian, and Message Utilities Manual</i>	AA-QSBDA-TE
<i>OpenVMS Debugger Manual (Version 6.1)</i>	AA-PV6BB-TK
<i>OpenVMS Debugger Manual (Version 7.0)</i>	AA-QSBJA-TE
<i>OpenVMS Delta/XDelta Debugger Manual</i>	AA-PWCAA-TE
<i>OpenVMS Glossary</i>	AA-PV5UA-TK
<i>OpenVMS I/O User's Reference Manual</i>	AA-PV6SA-TK
<i>OpenVMS Linker Utility Manual</i>	AA-PV6CA-TK
<i>OpenVMS Programming Concepts Manual</i>	AA-PV67B-TK
<i>OpenVMS Programming Environment Manual</i>	AA-PV66B-TK
<i>OpenVMS Programming Interfaces: Calling a System Routine</i>	AA-PV68A-TK
<i>OpenVMS Record Management Utilities Reference Manual</i>	AA-PV6QA-TK
<i>OpenVMS Record Management Services Reference Manual</i>	AA-PV6RA-TK
<i>OpenVMS RTL General Purpose (OTS\$) Manual</i>	AA-PV6HA-TK
<i>OpenVMS RTL Library (LIB\$) Manual (Version 6.1)</i>	AA-PB6KB-TE
<i>OpenVMS RTL Library (LIB\$) Manual (Version 7.0)</i>	AA-QSBHA-TE
<i>OpenVMS RTL Screen Management (SMG\$) Manual</i>	AA-PV6LA-TK
<i>OpenVMS RTL String Manipulation (STR\$) Manual</i>	AA-PV6MA-TK

(continued on next page)

Table 1 (Cont.) OpenVMS Full Documentation Set

Manual	Order Number
<i>OpenVMS Software Overview</i>	AA-PVXHB-TE
<i>OpenVMS System Messages: Companion Guide for Help Message Users</i>	AA-PV5TA-TK
<i>OpenVMS System Services Reference Manual: A-GETMSG (V6.1)</i>	AA-PV6FB-TK
<i>OpenVMS System Services Reference Manual: GETQUI-Z (V6.1)</i>	AA-PV6GB-TK
<i>OpenVMS System Services Reference Manual: A-GETMSG (V7.0)</i>	AA-QSBMA-TE
<i>OpenVMS System Services Reference Manual: GETQUI-Z (V7.0)</i>	AA-QSBNA-TE
<i>OpenVMS Utility Routines Manual</i>	AA-PV6EB-TK
<i>OpenVMS VAX Device Support Manual</i>	AA-PWC8A-TE
<i>OpenVMS VAX Device Support Reference Manual</i>	AA-PWC9A-TE
<i>OpenVMS VAX RTL Mathematics (MTH\$) Manual</i>	AA-PVXJA-TE
<i>OpenVMS VAX System Dump Analyzer Utility Manual</i>	AA-PV6TA-TE
<i>POLYCENTER Software Installation Utility Developer's Guide</i>	AA-Q28MA-TK
<i>VAX MACRO and Instruction Set Reference Manual</i>	AA-PS6GA-TE
<i>VMScluster Systems for OpenVMS</i>	AA-PV5WB-TK

3.2 Color Designators

Beginning with Version 6.2, we introduced a new cover design and new colors for the Version 6.2 new and updated manuals. The colors of the manuals indicate the manual type (general user, system management, or programming). In addition, we have added a letter to the spine of each manual that indicates the manual type. The following table shows manual type, color, and letter designator.

Manual Type	Cover Color	Letter Designator
General user	Blue	G
System management	Red	S
Programming	Green	P

See Figure 1 for an illustration of the OpenVMS documentation set organized by audience.

Figure 1 OpenVMS Documentation Set Organized by Audience

General User Manuals

<i>Extensible Versatile Editor Reference Manual</i>	<i>OpenVMS System Messages: Companion Guide for Help Message Users</i>
<i>OpenVMS Compatibility Between VAX and Alpha</i>	<i>OpenVMS User's Manual</i>
<i>OpenVMS DCL Dictionary (I & II) (6.2)</i>	<i>OpenVMS Version 6.2 New Features</i>
<i>OpenVMS Glossary</i>	<i>OpenVMS Version 7.0 New Features</i>
<i>OpenVMS Management Station Overview and Release Notes</i>	<i>OpenVMS Version 6.2 Release Notes</i>
<i>OpenVMS Master Index (6.2)</i>	<i>OpenVMS Version 7.0 Release Notes</i>
<i>OpenVMS Master Index (7.0)</i>	<i>Overview of OpenVMS Documentation (6.2)</i>
<i>OpenVMS Software Overview</i>	<i>Overview of OpenVMS Documentation (7.0)</i>

System Management Manuals

<i>A Comparison of System Management on OpenVMS AXP and OpenVMS VAX</i>	<i>OpenVMS Alpha Version 6.2 Upgrade and Installation Manual</i>
<i>Building Dependable Systems: The OpenVMS Approach</i>	<i>OpenVMS Alpha Version 7.0 Upgrade and Installation Manual</i>
<i>DECards User's Guide</i>	<i>OpenVMS Compatibility Between VAX and Alpha</i>
<i>DECnet for OpenVMS Guide to Networking</i>	<i>OpenVMS Guide to System Security</i>
<i>DECnet for OpenVMS Networking Manual</i>	<i>OpenVMS System Management Utilities Reference Manuals (I & II)</i>
<i>DECnet for OpenVMS Network Management Utilities</i>	<i>OpenVMS System Manager's Manuals (I & II)</i>
<i>Guide to OpenVMS AXP Performance Management</i>	<i>OpenVMS VAX Version 6.2 Upgrade and Installation Manual</i>
<i>Guide to OpenVMS Performance Management</i>	<i>OpenVMS VAX Version 7.0 Upgrade and Installation Manual</i>
<i>Guidelines for VMScluster Configurations</i>	<i>Polycenter Software Installation Utility Developer's Guide</i>
<i>Migrating an Environment from OpenVMS VAX to OpenVMS Alpha</i>	<i>TCP/IP Networking on OpenVMS Systems</i>
	<i>VMScluster Systems for OpenVMS</i>

Programming Manuals

<i>Creating an OpenVMS AXP Step 2 Device Driver from an OpenVMS VAX Device Driver</i>	<i>OpenVMS Calling Standard (7.0)</i>
<i>Creating an OpenVMS AXP Step 2 Device Driver from a Step 1 Device Driver</i>	<i>OpenVMS Command Definition, Librarian, and Message Utilities Manual</i>
<i>DEC Text Processing Utility Reference Manual</i>	<i>OpenVMS Debugger Manual (6.1)</i>
<i>DPML, Digital Portable Mathematics Library</i>	<i>OpenVMS Debugger Manual (7.0)</i>
<i>Guide to Creating OpenVMS Modular Procedures</i>	<i>OpenVMS Delta/XDelta Debugger Manual</i>
<i>Guide to DEC Text Processing Utility</i>	<i>OpenVMS Linker Utility Manual</i>
<i>Guide to DECthreads (6.1)</i>	<i>OpenVMS I/O User's Reference Manual</i>
<i>Guide to DECthreads (7.0)</i>	<i>OpenVMS Programming Concepts Manual</i>
<i>Guide to OpenVMS File Applications</i>	<i>OpenVMS Programming Environment Manual</i>
<i>Migrating an Application from OpenVMS VAX to OpenVMS Alpha</i>	<i>OpenVMS Programming Interfaces: Calling a System Routine</i>
<i>Migrating to an OpenVMS AXP System: Planning for Migration</i>	<i>OpenVMS Record Management Services Reference Manual</i>
<i>Migrating to an OpenVMS AXP System: Recompiling and Relinking Applications</i>	<i>OpenVMS Record Management Utilities Reference Manual</i>
<i>Migrating to an OpenVMS AXP System: Porting VAX MACRO Code</i>	<i>OpenVMS RTL Screen Management (SMG\$) Manual</i>
<i>OpenVMS Alpha Guide to 64-Bit Addressing</i>	<i>OpenVMS RTL String Manipulation (STR\$) Manual</i>
<i>OpenVMS Alpha Guide to Upgrading Privileged-Code Applications</i>	<i>OpenVMS RTL Library (LIB\$) Manual (6.1)</i>
<i>OpenVMS AXP Device Support: Developer's Guide</i>	<i>OpenVMS RTL Library (LIB\$) Manual (7.0)</i>
<i>OpenVMS AXP Device Support Reference</i>	<i>OpenVMS RTL General Purpose (OTS\$) Manual</i>
<i>OpenVMS AXP System Dump Analyzer Utility Manual</i>	<i>OpenVMS RTL Parallel Processing (PPL\$) Manual</i>
<i>OpenVMS Calling Standard (6.1)</i>	<i>OpenVMS RTL Mathematics (MTH\$) Manual</i>
	<i>OpenVMS System Services Reference Manual (I & II) (6.1)</i>
	<i>OpenVMS System Services Reference Manual (I & II) (7.0)</i>
	<i>OpenVMS Utility Routines Manual</i>
	<i>OpenVMS VAX Device Support Manual</i>
	<i>OpenVMS VAX Device Support Reference Manual</i>
	<i>OpenVMS VAX System Dump Analyzer Utility Manual</i>

**This table does not include OpenVMS VAX installation supplements (see Section 5)
or OpenVMS achived manuals (see Section 6).**

ZK-7931A-GE

3.3 System Integrated Products

Volume Shadowing for OpenVMS, RMS Journaling for OpenVMS, and OpenVMS Clusters are System Integrated Products (SIPs). They are included in the OpenVMS software, but you must purchase separate licenses to enable them. The OpenVMS Cluster documentation is included in the OpenVMS Full Documentation Set, but the documentation for Volume Shadowing and RMS Journaling must be purchased separately. Table 2 lists the order numbers for individual SIPs manuals. See Section A.4 for a description of each manual.

Table 2 Order Numbers for SIPs Manuals

Title	Order Number
<i>Volume Shadowing for OpenVMS</i>	AA-PVXMC-TE
<i>RMS Journaling for OpenVMS Manual</i>	AA-JG41C-TE

3.4 Online Help

The OpenVMS operating system provides online help for the commands, utilities, and system routines documented in the Full Documentation Set.

3.5 Help Message

You can use the Help Message facility to quickly access online descriptions of system messages. In addition, you can add your own source files, such as messages documentation that you have written to the Help Message database. The manual *OpenVMS System Messages: Companion Guide for Help Message Users* explains how to use the Help Message facility. You can also access DCL Help for Help Message by entering:

```
$ HELP HELP/MESSAGE
```

3.6 Documentation on OpenVMS VAX Installation Media

VAX

The installation procedure for OpenVMS VAX Version 7.0 includes options to allow you to print, in ASCII text format, the *OpenVMS Glossary*, the *OpenVMS Master Index*, and the *Overview of OpenVMS Documentation*. ♦

4 Upgrade and Installation Documentation

Your installation information includes an installation and upgrade manual for your system plus the *OpenVMS License Management Utility Manual*. The *OpenVMS License Management Utility Manual* is included in all OpenVMS media kits. This manual describes the License Management Facility (LMF), the software license management tool. LMF includes the License Management Utility (LICENSE) and the command procedure VMSLICENSE.COM, which is used to register, manage, and track software licenses on line.

Alpha

OpenVMS Alpha customers receive the *OpenVMS Alpha Version 7.0 Upgrade and Installation Manual*. This manual contains step-by-step upgrade and installation information as well as device-naming and booting information.

For OpenVMS Alpha Version 7.0, use the POLYCENTER Software Installation utility to install the operating system. Complete installation information for OpenVMS Alpha Version 7.0 is available in the *OpenVMS Alpha Version 7.0 Upgrade and Installation Manual*. ♦

On OpenVMS VAX, the *OpenVMS VAX Version 7.0 Upgrade and Installation Manual* is your primary source for step-by-step upgrade and installation procedures using the VMSINSTAL utility. Start any Version 7.0 installation or upgrade by following the instructions in the *OpenVMS VAX Version 7.0 Upgrade and Installation Manual*, which is included in your media kit.

In addition to the *OpenVMS VAX Version 7.0 Upgrade and Installation Manual*, you receive one or more upgrade and installation supplements with your media kit. These manuals contain information specific to your VAX computer. Use your computer-specific supplement in conjunction with the *OpenVMS VAX Version 7.0 Upgrade and Installation Manual* when you install or upgrade your system software. ♦

4.1 Upgrade and Installation Supplements

Table 3 lists the titles and the order numbers for the upgrade and installation manuals and supplements. Note that you will receive upgrade and installation manuals and the *OpenVMS License Management Utility Manual* with your software media.

Table 3 Order Numbers for Upgrade and Installation Documents

Manual	Order Number
Upgrade and Installation Manuals	
<i>OpenVMS Alpha Version 6.2 Upgrade and Installation Manual</i>	AA-PV6XC-TE
<i>OpenVMS Alpha Version 7.0 Upgrade and Installation Manual</i>	AA-QSE8A-TE
<i>OpenVMS VAX Version 6.2 Upgrade and Installation Manual</i>	AA-PV6WC-TE
<i>OpenVMS VAX Version 7.0 Upgrade and Installation Manual</i>	AA-QSBQA-TE
<i>License Management Utility Manual</i>	AA-PVXUC-TK

(continued on next page)

Table 3 (Cont.) Order Numbers for Upgrade and Installation Documents

Manual	Order Number
Optionally Orderable VAX Upgrade and Installation Supplements	
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 7000 Series and VAX 10000 Series</i>	AA-PVXTA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 9000 Series</i>	AA-PS6TA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAXstation 3100, 4000 and MicroVAX 3100 Series</i>	AA-PS6SA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 6000 Series</i>	AA-PS6NA-TE
<i>VMS Installation and Operations: VAX-11/730</i>	AA-LB31B-TE
<i>OpenVMS VAX Installation and Operations: VAXstation II, II/GPX and MicroVAX II</i>	AA-PS6ZA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAXstation 3520, 3540</i>	AA-PS6LA-TE
<i>OpenVMS Upgrade/Installation: VAX 4000 Series, MicroVAX, VAXstation, and VAXserver 32/33/34/35/36/38/3900 Series</i>	AA-PS6RA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAXstation 2000, MicroVAX 2000</i>	AA-PS6YA-TE

4.2 Archived Installation Supplements

Table 4 lists installation supplements that have been archived and are no longer available on the OpenVMS kit. However, they can be ordered from DECdirect using the order numbers below. These supplements are also available on the Documentation CD-ROM in printable PostScript format. For information about how to print these supplements from the Documentation CD-ROM, see *Guide to OpenVMS Version 7.0 CD-ROMs*.

Table 4 Order Numbers for Archived Installation Supplements

Manual	Order Number
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 8820, 8830, 8840</i>	AA-PS6MA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 8200, 8250, 8300, 8350</i>	AA-PS6PA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 8530, 8550, 8810 (8700), and 8820-N (8800)</i>	AA-PS6QA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 8600, 8650</i>	AA-PS6UA-TE
<i>VMS Upgrade and Installation Supplement: VAX-11/780, 785</i>	AA-LB29B-TE

(continued on next page)

Table 4 (Cont.) Order Numbers for Archived Installation Supplements

Manual	Order Number
<i>VMS Upgrade and Installation Supplement:</i> <i>VAX-11/750</i>	AA-LB30B-TE

5 OpenVMS Archived Books

This section lists the OpenVMS manuals that have been archived since OpenVMS Version 6.2. Please note the following.

- Archived books can be ordered separately in hardcopy format through Software Supply Business (SSB).
- Archived books are also available in PostScript format on CD-ROM and tape.

Table 5 Archived OpenVMS Manuals

Manual	Order Number
<i>OpenVMS RTL Parallel Processing (PPL\$) Manual</i>	AA-PV6JA-TK
<i>OpenVMS Developer's Guide to VMSINSTAL</i>	AA-PWBXA-TE
<i>OpenVMS System Messages and Recovery Procedures Reference Manual:</i> <i>A-L</i>	AA-PVXKA-TE
<i>OpenVMS System Messages and Recovery Procedures Reference Manual:</i> <i>M-Z</i>	AA-PVXLA-TE
<i>OpenVMS Wide Area Network I/O User's Reference Manual</i>	AA-PWC7A-TE
<i>OpenVMS VAX Card Reader, Line Printer, and LPA11-K I/O User's</i> <i>Reference Manual</i>	AA-PVXGA-TE
<i>OpenVMS Terminal Fallback Utility Manual</i>	AA-PS6BA-TE
<i>OpenVMS RTL DECTalk (DTK\$) Manual</i>	AA-PS6CA-TE
<i>OpenVMS SUMSLP Utility Manual</i>	AA-PS6EA-TE
<i>OpenVMS National Character Set Utility Manual</i>	AA-PS6FA-TE
<i>OpenVMS EDT Reference Manual</i>	AA-PS6KA-TE
<i>OpenVMS DIGITAL Standard Runoff Reference Manual</i>	AA-PS6HA-TE
<i>OpenVMS Bad Block Locator Utility Manual</i>	AA-PS69A-TE
<i>OpenVMS Exchange Utility Manual</i>	AA-PS6AA-TE
<i>OpenVMS VAX Patch Utility Manual</i>	AA-PS6DA-TE
<i>OpenVMS Obsolete Features Manual</i>	AA-PS6JA-TE
<i>PDP-11 TECO User's Guide</i> ¹	AA-K420B-TC

¹This manual has been archived and is not available as a PostScript file, but you can order it through DECdirect.

6 OpenVMS Documentation CD-ROM

This section contains information about the contents of the OpenVMS Documentation CD-ROM.

6.1 Online Documentation

All OpenVMS documentation is available in online books that can be viewed with the DECwindows Bookreader or the DECwindows Motif Bookreader.

For this release, OpenVMS is providing a separate documentation CD-ROM to all OpenVMS customers. The documentation CD-ROM contains the OpenVMS Full Documentation Set in Bookreader format as well as documentation for the following layered products:

- DCE
- DECamds
- DECmigrate
- DECnet/OSI
- DECwindows Motif for OpenVMS
- Digital TCP/IP Services
- Monitoring Performance History (MPH)
- SoftWindows
- SoftPC
- System Healthcheck
- Wind/U

For more information about the OpenVMS CD-ROM kit, refer to the *Guide to OpenVMS Version 7.0 CD-ROMs*.

6.2 Printable Documentation

The OpenVMS Documentation CD-ROM contains printable files. Table 6 lists the OpenVMS manuals available in ASCII text and PostScript formats on the OpenVMS Documentation CD-ROM.

In addition to the OpenVMS Documentation, some printable files of associated layered products are available on the CD-ROM. For more information about this documentation, see the *Guide to OpenVMS Version 7.0 CD-ROMs*.

Table 6 Printable Files on the OpenVMS Documentation CD-ROM

Document	File Name
<i>OpenVMS Version 7.0 Release Notes</i>	V70_REL_NOTES.[PS, TXT]
<i>OpenVMS Version 7.0 New Features Manual</i>	V70_NEW_FEATURES.[PS, TXT]
<i>OpenVMS VAX Version 7.0 Upgrade and Installation Manual</i>	V70_VAX_INSTALL.[PS, TXT]
<i>OpenVMS Alpha Version 7.0 Upgrade and Installation Manual</i>	V70_ALPHA_INSTALL.[PS, TXT]
<i>Guide to OpenVMS Version 7.0 CD-ROMs</i>	V70_CD_GD.[PS]
<i>OpenVMS Master Index</i>	V70_INDEX.[TXT]
<i>Overview of OpenVMS Documentation</i>	V70_OVERVIEW.[TXT]

(continued on next page)

Table 6 (Cont.) Printable Files on the OpenVMS Documentation CD-ROM

Document	File Name
<i>OpenVMS for Alpha and VAX Version 7.0 SPD</i>	V70_SPD.[PS,TXT]
<i>DECnet for OpenVMS SPD</i>	DECNET_SPD.[PS,TXT]
<i>RMS Journaling for OpenVMS SPD</i>	RMS_SPD.[PS,TXT]
<i>Volume Shadowing for OpenVMS SPD</i>	VOL_SHAD_SPD.[PS,TXT]
<i>OpenVMS Cluster Software SPD</i>	CLUSTER_SPD.[PS,TXT]
<i>OpenVMS RTL General Purpose (OTS\$) Manual</i>	V70_RTL_OTS.[PS]
<i>OpenVMS I/O User's Reference Manual</i>	V70_IO_REF.[PS]
<i>OpenVMS Software Overview</i>	V70_SOFT_OVER.[PS]
<i>OpenVMS Record Management Services Reference Manual</i>	V70_RMS_REF.[PS]
<i>OpenVMS RTL String Manipulation (STR\$) Manual</i>	V70_RTL_STR.[PS]
<i>OpenVMS Linker Utility Manual</i>	V70_LINKER.[PS]
<i>OpenVMS RTL Screen Management (SMG\$) Manual</i>	V70_RTL_SMG.[PS]
<i>OpenVMS Alpha System Dump Analyzer Utility Manual</i>	V70_ALPHA_SDA.[PS]
<i>OpenVMS Utility Routines Manual</i>	V70_UTIL_ROUTINES.[PS]
<i>OpenVMS User's Manual</i>	V70_USER.[PS]
<i>POLYCENTER Software Installation Utility Developer's Guide</i>	V70_PCSI_GD.[PS]
<i>OpenVMS DCL Dictionary: A-M</i>	V70_DCLDICT_REF1.[PS]
<i>OpenVMS DCL Dictionary: N-Z</i>	V70_DCLDICT_REF2.[PS]
<i>OpenVMS System Manager's Manual: Essentials</i>	V70_SYSMAN_MAN1.[PS]
<i>OpenVMS System Manager's Manual: Tuning, Monitoring, and Complex Systems</i>	V70_SYSMAN_MAN2.[PS]
<i>OpenVMS Programming Concepts Manual</i>	V70_PROG_CON.[PS]
<i>DECamsd User's Guide</i>	V70_DECAMDS.[PS]

For more information about the OpenVMS CD-ROM kit, refer to the *Guide to OpenVMS Version 7.0 CD-ROMs*.

7 Restructured Documentation Sets

For the OpenVMS AXP Version 1.5 and OpenVMS VAX Version 6.0 releases, OpenVMS introduced a restructured information set for the OpenVMS operating system.

Many of the most commonly-used manuals (for example, the *DCL Dictionary*) continue to be published and revised under the same or very similar titles. Other manuals were discontinued and their information was moved into other manuals. Table 7 shows where information from those discontinued manuals can be found in the OpenVMS Version 7.0 documentation.

Table 7 Where to Find Information

Discontinued Manual	New Location Version 7.0
General User	
<i>VMS General User Master Index</i>	Discontinued
<i>Introduction to VMS</i>	<i>OpenVMS User's Manual</i>
<i>Guide to Using VMS</i>	
<i>VMS DCL Concepts Manual</i>	
<i>Guide to Using VMS Command Procedures</i>	
<i>VMS Mail Utility Manual</i>	<i>OpenVMS User's Manual</i>
<i>VMS Sort/Merge Utility Manual</i>	Online Help
<i>VMS Phone Utility Manual</i>	
<i>Guide to VMS Text Processing</i>	<i>OpenVMS User's Manual</i> <i>Extensible Versatile Editor Reference Manual</i> <i>OpenVMS DIGITAL Standard Runoff</i> <i>Reference Manual</i> <i>OpenVMS EDT Reference Manual</i> Online Help
<i>Guide to VMS Files and Devices</i>	<i>OpenVMS System Manager's Manual</i>
System Management	
<i>POLYCENTER Software Installation Utility User's Guide</i>	<i>OpenVMS System Manager's Manual</i>
<i>VMS System Management Master Index</i>	Discontinued
<i>Introduction to VMS System Management</i>	<i>OpenVMS System Manager's Manual</i>
<i>Guide to Setting Up a VMS System</i>	
<i>Guide to Maintaining a VMS System</i>	
<i>Using VMS BACKUP</i>	

(continued on next page)

Table 7 (Cont.) Where to Find Information

Discontinued Manual	New Location Version 7.0
System Management	
<i>VMS SYSMAN Utility Manual</i>	<i>OpenVMS System Management Utilities</i>
<i>VMS Install Utility Manual</i>	<i>Reference Manual</i>
<i>VMS LAT Control Program (LATCP) Manual</i>	<i>Online Help</i>
<i>VMS System Generation Utility Manual</i>	
<i>VMS Analyze/Disk_Structure Utility Manual</i>	
<i>VMS Backup Utility Manual</i>	
<i>VMS Error Log Utility Manual</i>	
<i>VMS Mount Utility Manual</i>	
<i>VMS Access Control List Editor Manual</i>	
<i>VMS Authorize Utility Manual</i>	
<i>VMS Audit Analysis Utility Manual</i>	
<i>VMS Accounting Utility Manual</i>	
<i>VMS Monitor Utility Manual</i>	
<i>VMS Show Cluster Utility Manual</i>	
 <i>VMS Exchange Utility Manual</i>	 <i>OpenVMS System Manager's Manual</i>
<i>VMS Terminal Fallback Utility Manual</i>	<i>Online Help</i>
<i>VMS Bad Block Locator Utility Manual</i>	
 <i>Guide to DECnet-VAX Networking</i>	 <i>DECnet for OpenVMS Guide to Networking</i>
 <i>VMS Networking Manual</i>	 <i>DECnet for OpenVMS Networking Manual</i>
 <i>VMS DECnet Test Sender/DECnet Test Receiver Utility Manual</i>	 <i>DECnet for OpenVMS Network Management Utilities</i>
<i>VMS Network Control Language Reference Manual</i>	<i>Online Help</i>
 <i>VMS LAD Control Program (LADCP) Manual</i>	 <i>OpenVMS System Manager's Manual</i> <i>InfoServer System Operations Guide</i> <i>InfoServer Client for OpenVMS LASTCP and LADCP Utilities</i> <i>Online Help</i>
Discontinued Manual	New Location of Information
Programming	
<i>Guide to VMS Programming Resources</i>	<i>OpenVMS Programming Environment Manual</i> <i>OpenVMS Programming Concepts Manual</i>

(continued on next page)

Table 7 (Cont.) Where to Find Information

Discontinued Manual	New Location of Information
Programming	
<i>VMS Command Definition Utility Manual</i>	<i>OpenVMS Command Definition, Librarian, and Message Utilities Manual</i>
<i>VMS Librarian Utility Manual</i>	Online Help
<i>VMS Message Utility Manual</i>	
<i>VMS Analyze/RMS_File Utility Manual</i>	<i>OpenVMS Record Management Utilities Reference Manual</i>
<i>VMS Convert and Convert/Reclaim Utility Manual</i>	Online Help
<i>VMS File Definition Language Facility Manual</i>	
<i>Introduction to VMS System Routines</i>	<i>OpenVMS Programming Interfaces: Calling a System Routine</i> <i>OpenVMS Calling Standard</i>
<i>Introduction to the VMS Run-Time Library</i>	<i>OpenVMS Programming Interfaces: Calling a System Routine</i>
<i>Introduction to VMS System Services</i>	<i>OpenVMS Programming Concepts Manual</i> <i>OpenVMS Programming Interfaces: Calling a System Routine</i>
<i>Migrating to an OpenVMS AXP System: Planning for Migration</i>	<i>Migrating an Application from OpenVMS VAX to OpenVMS Alpha</i>
<i>Migrating to an OpenVMS AXP System: Recompiling and Relinking Applications</i>	<i>Migrating an Application from OpenVMS VAX to OpenVMS Alpha</i>
<i>OpenVMS Compatibility Between VAX and Alpha</i>	<i>Migrating an Environment from OpenVMS VAX to OpenVMS Alpha</i>
<i>A Comparison of System Management on OpenVMS AXP and OpenVMS VAX</i>	<i>Migrating an Environment from OpenVMS VAX to OpenVMS Alpha</i>
<i>VAX Text Processing Utility Manual</i>	<i>DEC Text Processing Utility Reference Manual</i> Online Help
<i>VMS I/O User's Reference Manual: Part I</i>	<i>OpenVMS I/O User's Reference Manual</i> , except Chapters 2, 4, and 5, which are in the <i>OpenVMS VAX Card Reader, Line Printer, and LPA11-K I/O User's Reference Manual</i>

(continued on next page)

Table 7 (Cont.) Where to Find Information

Discontinued Manual	New Location of Information
Programming	
<i>VMS I/O User's Reference Manual: Part II</i>	Chapters 1 through 5: <i>OpenVMS Wide Area Network I/O User's Reference Manual</i> Chapter 6, Ethernet/802 Device Drivers: <i>OpenVMS I/O User's Reference Manual</i>
Archived Manual¹	Order Number
<i>OpenVMS RTL Parallel Processing (PPL\$) Manual</i>	AA-PV6JA-TK
<i>OpenVMS Developer's Guide to VMSINSTAL</i>	AA-PWBXA-TE
<i>OpenVMS System Messages and Recovery Procedures Reference Manual: A-L</i>	AA-PVXKA-TE
<i>OpenVMS System Messages and Recovery Procedures Reference Manual: M-Z</i>	AA-PVXLA-TE
<i>OpenVMS Wide Area Network I/O User's Reference Manual</i>	AA-PWC7A-TE
<i>OpenVMS VAX Card Reader, Line Printer, and LPA11-K I/O User's Reference Manual</i>	AA-PVXGA-TE
<i>OpenVMS Terminal Fallback Utility Manual</i>	AA-PS6BA-TE
<i>OpenVMS RTL DECTalk (DTK\$) Manual</i>	AA-PS6CA-TE
<i>OpenVMS SUMSLP Utility Manual</i>	AA-PS6EA-TE
<i>OpenVMS National Character Set Utility Manual</i>	AA-PS6FA-TE
<i>OpenVMS EDT Reference Manual</i>	AA-PS6KA-TE
<i>OpenVMS DIGITAL Standard Runoff Reference Manual</i>	AA-PS6HA-TE
<i>OpenVMS Bad Block Locator Utility Manual</i>	AA-PS69A-TE
<i>OpenVMS Exchange Utility Manual</i>	AA-PS6AA-TE
<i>OpenVMS VAX Patch Utility Manual</i>	AA-PS6DA-TE
<i>OpenVMS Obsolete Features Manual</i>	AA-PS6JA-TE
<i>PDP-11 TECO User's Guide</i> ¹	AA-K420B-TC

¹Archived manuals are available on the Documentation CD-ROM in PostScript format. See Table 6.

Table 1. (Cont.) *Worms of the Phylum Platyhelminthes*

Order	Family	Genus	Species
Trematoda	Echinostomidae	<i>Echinostoma</i>	<i>E. indicum</i>
		<i>Echinostoma</i>	<i>E. revolutum</i>
		<i>Echinostoma</i>	<i>E. robustum</i>
		<i>Echinostoma</i>	<i>E. angustum</i>
		<i>Echinostoma</i>	<i>E. caudatum</i>
		<i>Echinostoma</i>	<i>E. minutum</i>
		<i>Echinostoma</i>	<i>E. microstomum</i>
		<i>Echinostoma</i>	<i>E. parvum</i>
		<i>Echinostoma</i>	<i>E. minus</i>
		<i>Echinostoma</i>	<i>E. minus</i>
Trematoda	Plagiorchiidae	<i>Plagiorchi</i>	<i>P. indicum</i>
		<i>Plagiorchi</i>	<i>P. revolutum</i>
		<i>Plagiorchi</i>	<i>P. robustum</i>
		<i>Plagiorchi</i>	<i>P. angustum</i>
		<i>Plagiorchi</i>	<i>P. caudatum</i>
		<i>Plagiorchi</i>	<i>P. minutum</i>
		<i>Plagiorchi</i>	<i>P. microstomum</i>
		<i>Plagiorchi</i>	<i>P. parvum</i>
		<i>Plagiorchi</i>	<i>P. minus</i>
		<i>Plagiorchi</i>	<i>P. minus</i>
Trematoda	Monogeneidae	<i>Monogenea</i>	<i>M. indicum</i>
		<i>Monogenea</i>	<i>M. revolutum</i>
		<i>Monogenea</i>	<i>M. robustum</i>
		<i>Monogenea</i>	<i>M. angustum</i>
		<i>Monogenea</i>	<i>M. caudatum</i>
		<i>Monogenea</i>	<i>M. minutum</i>
		<i>Monogenea</i>	<i>M. microstomum</i>
		<i>Monogenea</i>	<i>M. parvum</i>
		<i>Monogenea</i>	<i>M. minus</i>
		<i>Monogenea</i>	<i>M. minus</i>
Trematoda	Dicrocoelidae	<i>Dicrocoelia</i>	<i>D. indicum</i>
		<i>Dicrocoelia</i>	<i>D. revolutum</i>
		<i>Dicrocoelia</i>	<i>D. robustum</i>
		<i>Dicrocoelia</i>	<i>D. angustum</i>
		<i>Dicrocoelia</i>	<i>D. caudatum</i>
		<i>Dicrocoelia</i>	<i>D. minutum</i>
		<i>Dicrocoelia</i>	<i>D. microstomum</i>
		<i>Dicrocoelia</i>	<i>D. parvum</i>
		<i>Dicrocoelia</i>	<i>D. minus</i>
		<i>Dicrocoelia</i>	<i>D. minus</i>

A

Book Descriptions

This appendix describes each manual in the OpenVMS documentation set. The following table lists the section where the books in a specific set are described.

Descriptions Of	See Section
Manuals in the OpenVMS Base Documentation Set	A.1
Manuals in the OpenVMS Documentation Set	A.2
Manuals in the Media Kit	A.3
System integrated products manuals	A.4
Archived manuals	A.5

A.1 Base Documentation Set Descriptions

The following sections describe each manual in the Base Documentation Set:

Migrating an Application from OpenVMS VAX to OpenVMS Alpha

Describes how to create an OpenVMS Alpha version of an OpenVMS VAX application. It provides an overview of the VAX to Alpha migration process and information to help you plan a migration. It discusses the decisions you must make in planning a migration and the ways to get the information you need to make those decisions. In addition, it describes the migration methods available so that you can estimate the amount of work required for each method and select the method best suited to a given application.

Migrating an Environment from OpenVMS VAX to OpenVMS Alpha

Describes how to migrate a computing environment from an OpenVMS VAX system to an OpenVMS Alpha system or a mixed-architecture cluster. It provides an overview of the VAX to Alpha migration process and describes the differences in system and network management on VAX and Alpha computers.

OpenVMS Compatibility Between VAX and Alpha

Compares and contrasts OpenVMS on VAX and Alpha computers, focusing on the features provided to end users, system managers, and programmers.

OpenVMS DCL Dictionary

Describes the DIGITAL Command Language (DCL) and provides an alphabetical listing of detailed reference information and examples for all DCL commands and lexical functions. This manual is in two parts.

OpenVMS Guide to System Security

Describes the security features available in the OpenVMS Alpha and VAX operating systems. It explains the purpose and proper application of each feature in the context of specific security needs.

Book Descriptions

A.1 Base Documentation Set Descriptions

OpenVMS Management Station Overview and Release Notes

Provides an overview of OpenVMS Management Station and describes how to get started using the software. OpenVMS Management Station is a powerful, Microsoft Windows based management tool for system managers and others who perform account management tasks on OpenVMS systems. OpenVMS Management Station provides a comprehensive user interface to OpenVMS system account management. This document also includes release notes for OpenVMS Management Station.

OpenVMS Master Index (Versions 6.2 and 7.0)

Offer an edited compilation of indexes from the books in the Full Documentation Set.

For OpenVMS Version 7.0, the *OpenVMS Master Index* is also available in a Bookreader version.

Note

Index entries shown in the Bookreader version of the *OpenVMS Master Index* refer to page numbers in the hardcopy manuals.

OpenVMS System Management Utilities Reference Manual

Presents reference information on the utilities you can use to perform system management tasks on your system as well as the tools to control and monitor system access and resources. In addition to system management utilities, a description of the AUTOGEN command procedure is included in this two-part manual.

OpenVMS System Manager's Manual: Essentials

Provides system managers of small standalone systems with descriptions of the procedures they need to manage daily operations on an OpenVMS system. It provides instructions for setting up and maintaining routine operations, such as starting up the system, installing software, and setting up print and batch queues. It also documents routine disk and magnetic tape operations.

OpenVMS System Manager's Manual: Tuning, Monitoring, and Complex Systems

Describes configuring and controlling the network, monitoring the system and performance, and managing system parameters. The manual also includes information on VMScluster environments and DECdtm functionality.

OpenVMS User's Manual

Provides an overview of the operating system and presents basic concepts, task information, and reference information that enable you to perform daily computing tasks. It describes how to work with files and directories. It also includes these additional topics:

- Sending messages with the Mail utility and the Phone utility
- Using the Sort/Merge utility
- Using logical names and symbols
- Writing command procedures
- Editing files with the EVE and EDT text editors
- Processing files with DIGITAL Standard Runoff (DSR)

Book Descriptions

A.1 Base Documentation Set Descriptions

OpenVMS Version 6.2 New Features Manual and OpenVMS Version 7.0 New Features Manual

The describe new and improved components for the Alpha and VAX operating systems for the Version 6.2 and Version 7.0 releases.

OpenVMS Version 6.2 Release Notes and OpenVMS Version 7.0 Release Notes

Describe temporary problems and bug fixes to the Alpha and VAX operating systems. They also list layered product versions supported by OpenVMS Version 6.2 and OpenVMS Version 7.0.

OpenVMS Version 6.2 Release Notes Addendum

Describes temporary problems and bug fixes to the Alpha and VAX operating systems.

Overview of OpenVMS Documentation and (Version 6.2 and Version 7.0)

The manual, Version 7.0 of which you are now reading, is a general introduction to the documentation set. This manual explains how the set is organized and describes all its components. It also lists order numbers and provides ordering information.

TCP/IP Networking on OpenVMS Systems

Provides an introductory overview of TCP/IP networking and describes OpenVMS DCL support for TCP/IP capabilities.

A.2 Documentation Set Descriptions

A Comparison of System Management on OpenVMS AXP and OpenVMS VAX

Discusses system management tools, the impact of Alpha page sizes on system management operations, the system directory structure, interoperability issues, and performance information. This manual is designed for system managers who need to learn quickly how to manage an OpenVMS Alpha system.

Building Dependable Systems: The OpenVMS Approach

Offers practical information about analyzing the dependability requirements of your business applications and deciding how to use your computing systems to support your dependability goals. This information is complemented by technical summaries of the dependability features of OpenVMS and related hardware and layered software products.

Creating an OpenVMS AXP Step 2 Device Driver from a Step 1 Device Driver

Provides information for upgrading a Step 1 device driver (used in earlier versions of OpenVMS AXP) to a Step 2 device driver. A Step 2 device driver is required for OpenVMS AXP Version 6.1.

Creating an OpenVMS AXP Step 2 Device Driver from an OpenVMS VAX Device Driver

Provides information for migrating a device driver used on OpenVMS VAX to a Step 2 device driver used on OpenVMS AXP Version 6.1.

DECamds User's Guide

Provides information for installing and using the DECamds software. DECamds was previously available only as an optional product. For OpenVMS Alpha Version 6.2 and OpenVMS VAX Version 6.2, DECamds is available to users who have a VMSclusters license. DECamds is a system management tool that lets you monitor and track certain events in a VMScluster environment.

Book Descriptions

A.2 Documentation Set Descriptions

DECnet for OpenVMS Guide to Networking

Introduces networking on an OpenVMS system. This guide presents a basic overview of networking, summarizes user and manager network operations, and describes the procedures for bringing up the network and keeping it running.

DECnet for OpenVMS Networking Manual

Covers network management concepts, tasks, procedures, and programming operations.

DECnet for OpenVMS Network Management Utilities

Contains command information for the Network Control Program (NCP) and the DTS/DTR utility. This document is for users responsible for network testing and management.

Digital Portable Mathematics Library

Documents the mathematics routines in the Digital Portable Mathematics Library (DPML), supplied only with OpenVMS Alpha systems. VAX programmers should refer to the *OpenVMS VAX RTL Mathematics (MTH\$) Manual*.

Extensible Versatile Editor Reference Manual

Contains command reference information about the EVE text editor. It also provides a cross-reference between EDT and EVE commands.

Guide to Creating OpenVMS Modular Procedures

Describes how to perform a complex programming task by dividing it into modules and coding each module as a separate procedure.

Guide to the DEC Text Processing Utility

Introduction to developing DECTPU programs.

Guide to DECthreads (Version 6.1 and Version 7.0)

Describe DECthreads functionality, Digital's multithreading run-time library. The routines are used for creating and controlling multiple threads of execution within the address space provided by a single process. This manual documents two interfaces to DECthreads: a stable, upwardly compatible interface called *cma* and an interface that adheres to the evolving POSIX standard 1003.4a, called *pthread*.

DEC Text Processing Utility Reference Manual

Describes the DEC Text Processing Utility (DECTPU) and provides reference information about the EDT Keypad Emulator interfaces to DECTPU.

Guide to OpenVMS AXP Performance Management

Introduces and explains the techniques used to optimize performance on an OpenVMS Alpha system.

Guide to OpenVMS File Applications

Contains guidelines for designing, creating, and maintaining efficient data files by using Record Management Services (RMS). This manual is intended for application programmers and designers responsible for programs that use RMS files, especially if performance is an important consideration.

Guide to OpenVMS Performance Management

Introduces and explains the techniques used to optimize performance on an OpenVMS VAX system.

Guidelines for VMScluster Configurations

Provides configuration information for VMSclusters, especially those in a mixed-architecture environment.

Migrating to an OpenVMS AXP System: Planning for Migration

Describes the general characteristics of RISC architectures, compares the Alpha architecture to the VAX architecture, and presents an overview of the migration process and a summary of migration tools provided by Digital. The information in this manual is intended to help you define the optimal migration strategy for your application.

Migrating to an OpenVMS AXP System: Recompiling and Relinking Applications

Provides detailed technical information for programmers who must migrate high-level language applications to OpenVMS Alpha. This manual describes how to set up a development environment to facilitate the migration of applications, helps programmers identify application dependencies on elements of the VAX architecture, and introduces compiler features that help resolve these dependencies. Individual sections of this manual discuss specific application dependencies on VAX architectural features, data porting issues (such as alignment concerns), and the process of migrating VAX shareable images.

Porting VAX MACRO Code from OpenVMS VAX to OpenVMS Alpha

Describes how you can port existing VAX MACRO assembly language code to an OpenVMS Alpha system by using the features of the MACRO-32 compiler. It provides information to help you identify and correct VAX MACRO code that relies on elements of the VAX architecture. The manual examines the function of each compiler directive and built-in, explaining the circumstances under which it is necessary to add a directive or built-in to VAX MACRO assembly language code. It also discusses the qualifiers that govern the behavior of the compiler.

OpenVMS Alpha Guide to 64-Bit Addressing

Introduces and describes OpenVMS Alpha operating system support for 64-bit virtual addressing. Intended for system and application programmers, this guide presents an overview of the OpenVMS Alpha 64-bit virtual address space layout and describes OpenVMS Alpha tools and languages that support 64-bit addressing.

OpenVMS Alpha Guide to Upgrading Privileged-Code Applications

Explains the OpenVMS Alpha Version 7.0 changes that may impact Alpha privileged-code applications and device drivers. This guide contains information that applies to any application that links against the OpenVMS Alpha base system image SYS\$BASE_IMAGE.EXE.

OpenVMS AXP Device Support: Developer's Guide

Describes how to write a driver for OpenVMS Alpha for a device not supplied by Digital.

OpenVMS AXP Device Support: Reference

Provides the reference material for the *OpenVMS Alpha Device Support: Developer's Guide* by describing the data structures, macros, and routines used in device-driver programming.

Book Descriptions

A.2 Documentation Set Descriptions

OpenVMS AXP System Dump Analyzer Utility Manual

Explain how to use the System Dump Analyzer utility to investigate system failures and examine a running OpenVMS Alpha system. Alpha programmers should refer to this manual; VAX programmers should refer to the *OpenVMS VAX System Dump Analyzer Utility Manual*.

OpenVMS Calling Standard (Version 6.2 and Version 7.0)

Document the calling standard for the operating system. This manual indicates aspects of the calling standard that are specific to OpenVMS Alpha or OpenVMS VAX.

OpenVMS Command Definition, Librarian, and Message Utilities Manual

Contains descriptive and reference information about the following utilities:

- Command Definition utility
- Librarian utility
- Message utility

OpenVMS Debugger Manual (Version 6.1 and Version 7.0)

Explains the features of the OpenVMS Debugger for programmers.

OpenVMS Delta/XDelta Debugger Manual

Describes the Delta/XDelta utility used to debug programs that run in privileged processor mode or at an elevated interrupt priority level.

OpenVMS Glossary

Defines terms specific to OpenVMS that are used throughout the documentation.

OpenVMS I/O User's Reference Manual

Contains the information that system programmers need to program I/O operations using the device drivers that are supplied with the operating system.

OpenVMS Linker Utility Manual

Describes how to use the Linker utility to create images that run on either VAX or Alpha systems and how you can control a link operation with link qualifiers and link options.

OpenVMS Programming Environment Manual

Provides a general description of Digital products and tools that define the programming environment. This manual introduces facilities and tools such as the compilers, the linker, the debugger, the System Dump Analyzer, system services, and routine libraries.

OpenVMS Programming Concepts Manual

Describes concepts such as process creation, interprocess communication, data sharing, condition handling, and ASTs. This manual uses system services, utility routines, and run-time library (RTL) routines to illustrate mechanisms for utilizing OpenVMS features.

OpenVMS Programming Interfaces: Calling a System Routine

Describes the OpenVMS interface for procedure-to-procedure calls and how to call a system service or RTL procedure. It also describes how you represent data types in the various high-level languages supported on OpenVMS.

Book Descriptions

A.2 Documentation Set Descriptions

OpenVMS Record Management Utilities Reference Manual

Contains descriptive and reference information about the following RMS utilities:

- Analyze/RMS_File utility
- Convert and Convert/Reclaim utilities
- File Definition Language facility

OpenVMS Record Management Services Reference Manual

Provides reference and usage information for all programmers who use RMS data files.

OpenVMS RTL Library (LIB\$) Manual (Version 6.1 and Version 7.0)

Documents the general-purpose routines contained in the LIB\$ facility of the OpenVMS Run-Time Library. This manual indicates which routines are specific to Alpha or VAX, as well as how routines function differently on each system.

OpenVMS RTL General Purpose (OTS\$) Manual

Documents the general-purpose routines contained in the OTS\$ facility of the OpenVMS Run-Time Library. This manual indicates which routines are specific to Alpha or VAX, as well as how routines function differently on each system.

OpenVMS RTL Screen Management (SMG\$) Manual

Documents the screen management routines contained in the SMG\$ facility of the OpenVMS Run-Time Library. This manual indicates which routines are specific to Alpha or VAX, as well as how routines function differently on each system.

OpenVMS RTL String Manipulation (STR\$) Manual

Documents the string manipulation routines contained in the STR\$ facility of the OpenVMS Run-Time Library. This manual indicates which routines are specific to Alpha or VAX, as well as how routines function differently on each system.

OpenVMS Software Overview

Provides an overview of the OpenVMS operating system and some of its available products.

OpenVMS System Messages: Companion Guide for Help Message Users

Describes features of the Help Message facility, a tool that you can use to display message descriptions. The manual describes the HELP/MESSAGE command and qualifiers and also includes detailed information about customizing the Help Message database. The manual also provides descriptions of messages that can occur when the system and Help Message are not fully operable.

OpenVMS System Services Reference Manual (Version 6.1 and Version 7.0)

Presents the set of routines that the operating system uses to control resources, allow process communication, control I/O, and perform other such operating system functions. This manual is in two parts.

OpenVMS Utility Routines Manual

Describes the routines that allow a program to use the callable interface of selected OpenVMS utilities.

OpenVMS VAX Device Support Manual

Describes how to write an OpenVMS VAX driver for a device not supplied by Digital.

Book Descriptions

A.2 Documentation Set Descriptions

OpenVMS VAX Device Support Reference Manual

Provides the reference material for the *OpenVMS VAX Device Support Manual* by describing the data structures, macros, and routines used in device-driver programming.

OpenVMS VAX RTL Mathematics (MTH\$) Manual

Documents the mathematics routines contained in the MTH\$ facility of the OpenVMS Run-Time Library, which is relevant only to programmers using OpenVMS VAX. (Alpha programmers should refer to *Digital Portable Mathematics Library*.)

OpenVMS VAX System Dump Analyzer Utility Manual

Explains how to use the System Dump Analyzer utility to investigate system failures and examine a running OpenVMS VAX system. VAX programmers should refer to this manual; Alpha programmers should refer to the *OpenVMS Alpha System Dump Analyzer Utility Manual*.

POLYCENTER Software Installation Utility Developer's Guide

Describes the procedure and provides guidelines for developing software products that will be installed using the POLYCENTER Software Installation utility. Intended for developers who are designing installation procedures for software products layered on the OpenVMS operating system.

VAX MACRO and Instruction Set Reference Manual

Documents both the assembler directives of VAX MACRO and the VAX instruction set.

VMScluster Systems for OpenVMS

Provides an overview of VMScluster environments and explains procedures for setting up and managing VMScluster configurations.

A.3 Manuals in the Media Kit

Guide to OpenVMS Version 7.0 CD-ROMs

Provides information about the OpenVMS Alpha and OpenVMS VAX operating system and documentation CD-ROMs. It lists the contents of the OpenVMS Version 7.0 CD-ROM package, includes pointers to installation information, and gives instructions on how to access books on the Documentation CD-ROM.

OpenVMS Alpha Version 6.2 Upgrade and Installation Manual and OpenVMS Alpha Version 7.0 Upgrade and Installation Manual

Provide step-by-step instructions for installing and upgrading the OpenVMS Alpha operating system on Alpha computers. It also includes information about booting, shutdown, backup, and licensing procedures.

OpenVMS VAX Version 6.2 Upgrade and Installation Manual and OpenVMS VAX Version 7.0 Upgrade and Installation Manual

Provide step-by-step instructions for installing and upgrading the OpenVMS VAX computers. It also includes information about booting, shutdown, backup, and licensing procedures.

OpenVMS License Management Utility Manual

Describes the License Management Facility (LMF), the software license management tool. LMF includes the License Management Utility (LICENSE) and the command procedure VMSLICENSE.COM, which is used to register, manage, and track software licenses on line.

A.4 System Integrated Products Documentation

RMS Journaling for OpenVMS Manual

Describes the three types of RMS Journaling as well as other OpenVMS components that support RMS Journaling. This manual also describes the RMS Recovery utility (which is used to recover data saved using journaling), the transaction processing system services, and system management tasks required when using RMS Journaling. You receive this manual when you purchase the RMS Journaling license.)

Volume Shadowing for OpenVMS

Describes how to provide high data availability with phase II volume shadowing. You receive this manual when you purchase the volume shadowing license.

A.5 Archived Manual Descriptions

OpenVMS Bad Block Locator Utility Manual

Describes how to use the Bad Block Locator utility to locate bad blocks on older types of media.

OpenVMS Developer's Guide to VMSINSTAL

Describes the VMSINSTAL command procedure and provides guidelines for designing installation procedures that conform to standards recommended by Digital. Intended for developers who are designing installation procedures for software products layered on the OpenVMS operating system.

OpenVMS DIGITAL Standard Runoff Reference Manual

Describes the DSR text-formatting utility.

OpenVMS EDT Reference Manual

Contains complete reference information for the EDT editor.

OpenVMS Exchange Utility Manual

Describes how to use the Exchange utility to transfer files between some foreign format volumes and OpenVMS native volumes.

OpenVMS National Character Set Utility Manual

Describes how to use the National character set utility to build NCS definition files.

OpenVMS Obsolete Features Manual

Presents the DCL commands, system services, RTL routines, and utilities made obsolete by VMS Version 4.0 through Version 5.0. The manual also has an appendix of DCL commands, RTL routines, and utilities eliminated from VMS Version 4.0.)

OpenVMS RTL DECTalk (DTK\$) Manual

Documents the DECTalk support routines contained in the DTK\$ facility of the OpenVMS Run-Time Library.

OpenVMS RTL Parallel Processing (PPL\$) Manual

Documents the parallel-processing routines contained in the PPL\$ facility of the OpenVMS Run-Time Library. This manual indicates which routines are specific to Alpha or VAX, as well as how routines function differently on each system.

OpenVMS SUMSLP Utility Manual

Describes how to use the SUMSLP batch-oriented editor to update source files.

Book Descriptions

A.5 Archived Manual Descriptions

OpenVMS System Messages and Recovery Procedures Reference Manual

Contains an alphabetical listing of the errors, warnings, and informational messages issued by the operating system. Also provides the meaning of each message and a statement of the action to be taken in response to each message. This manual is in two parts.

OpenVMS Terminal Fallback Utility Manual

Describes how to use the Terminal Fallback utility to manage the libraries, character conversion tables, and terminal parameters that are available within this utility.

OpenVMS VAX Card Reader, Line Printer, and LPA11-K I/O User's Reference Manual

Describes the card reader, laboratory peripheral accelerator, and line printer drivers on OpenVMS VAX.

OpenVMS VAX Patch Utility Manual

Describes how to use the Patch utility to examine and modify executable and shareable OpenVMS VAX images.

OpenVMS Wide Area Network I/O User's Reference Manual

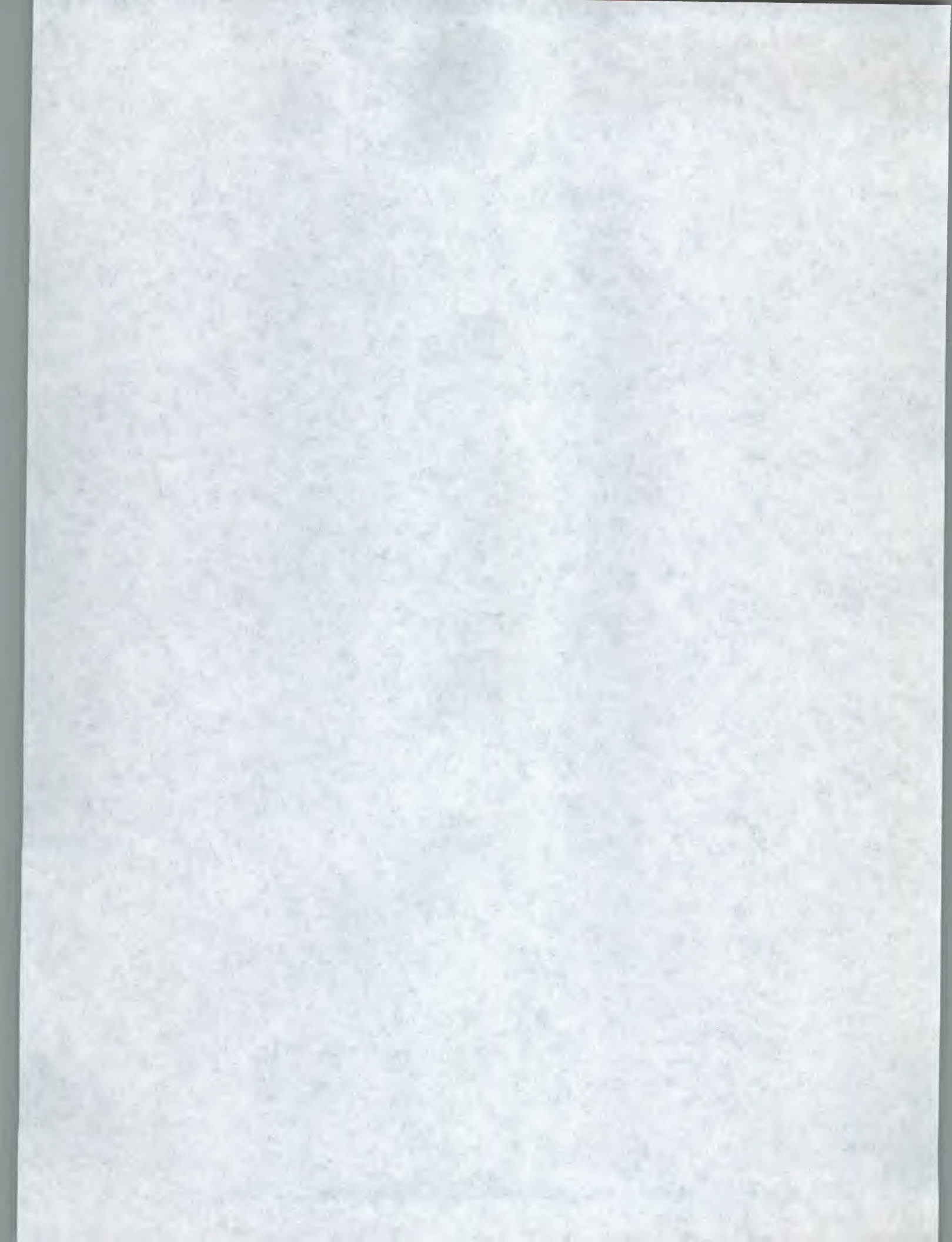
Describes the DMC11/DMR11, DMP11 and DMF32, DR11-W and DRV11-WA, DR32, and asynchronous DDCMP interface drivers on OpenVMS VAX.

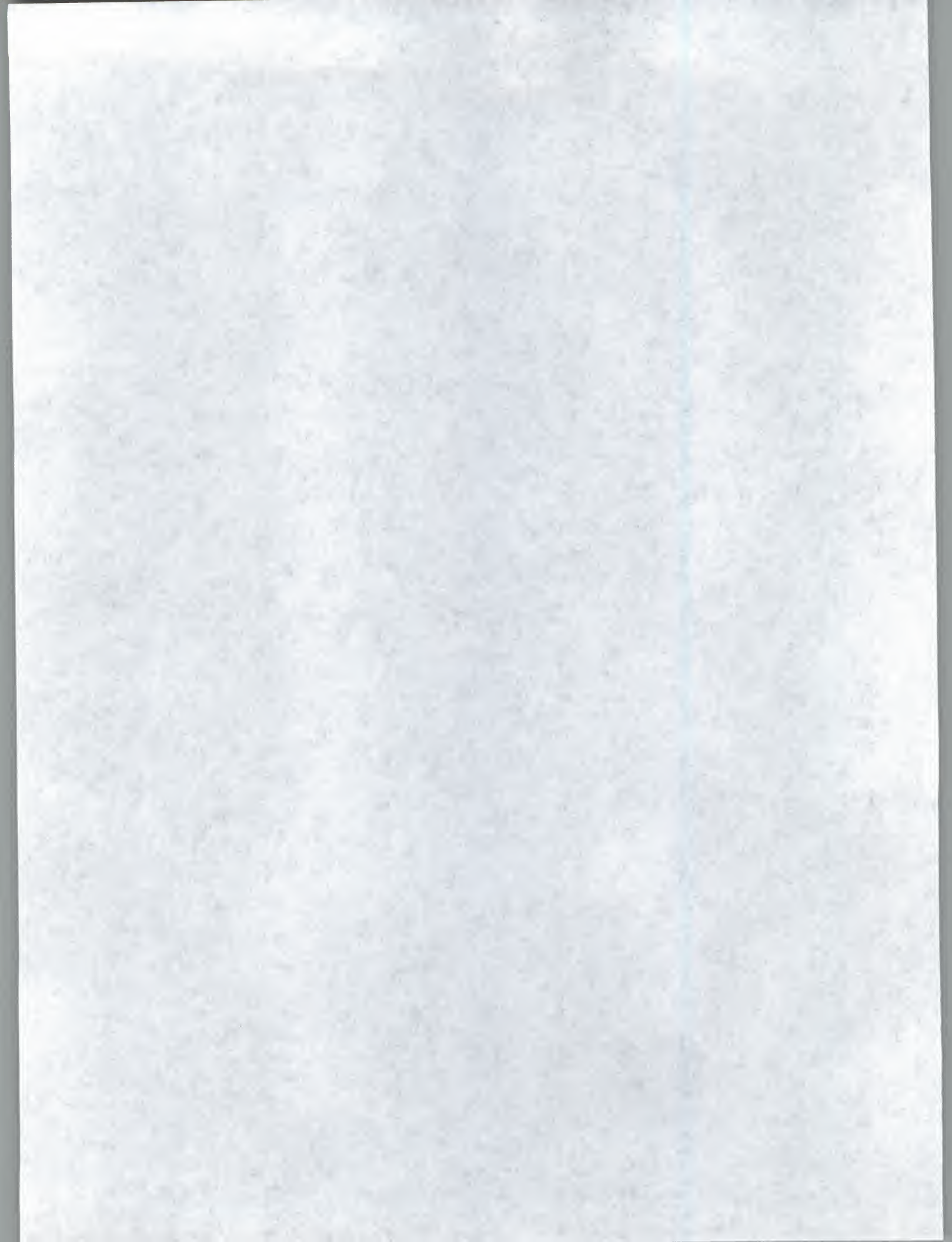
PDP-11 TECO User's Guide

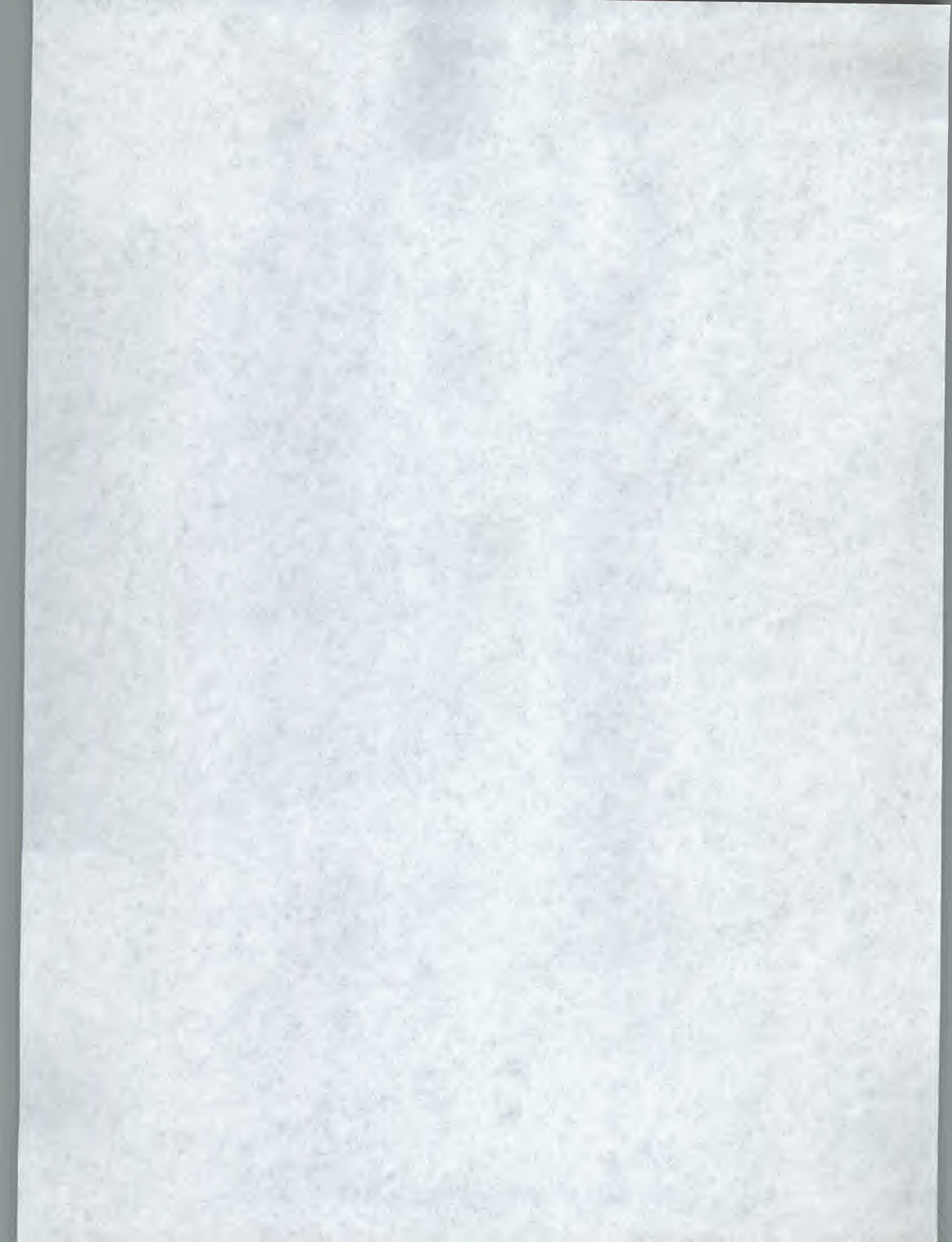
Describes the operating procedures for the PDP-11 TECO (Text Editor and Corrector) program.

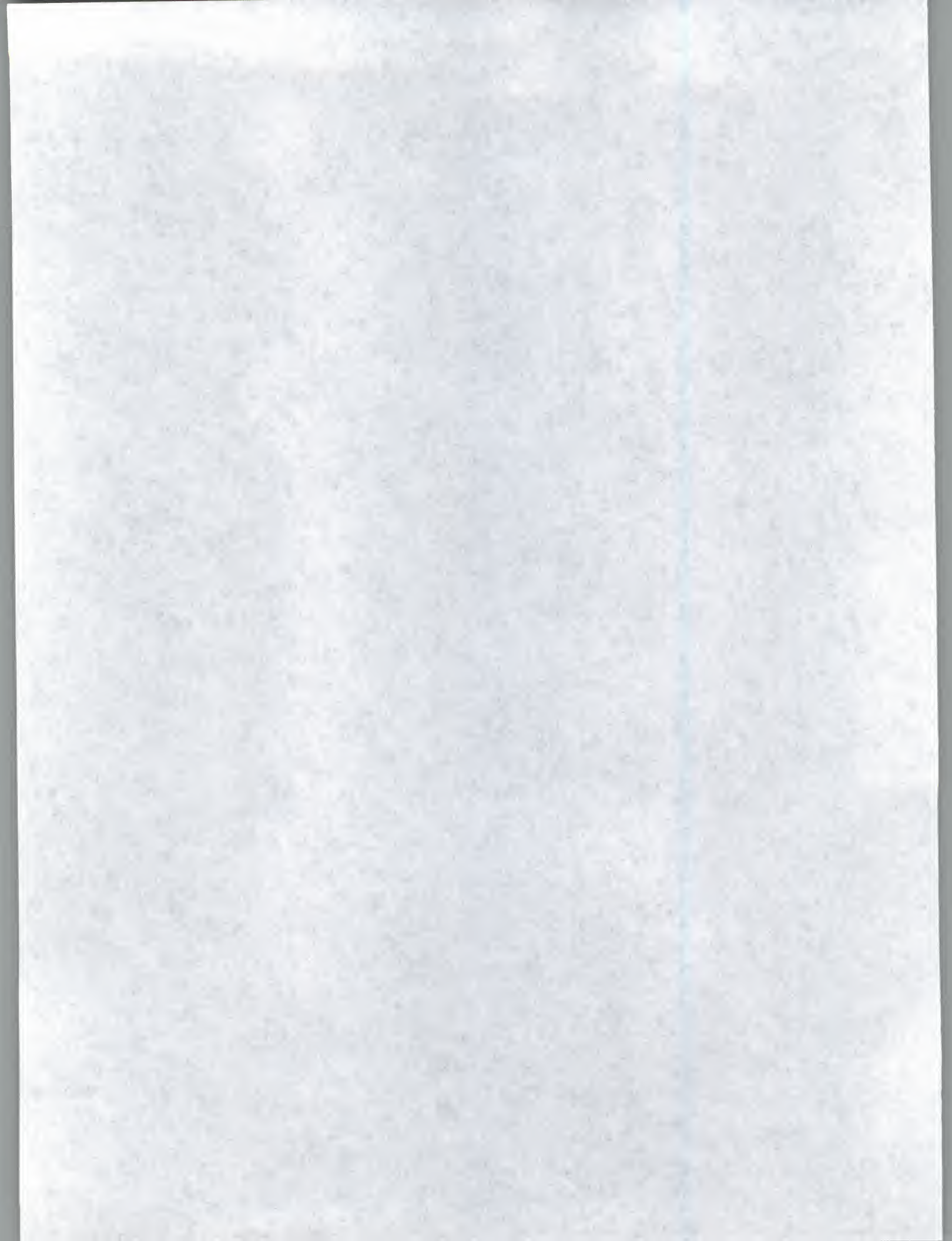
POLYCENTER Software Installation Utility User's Guide

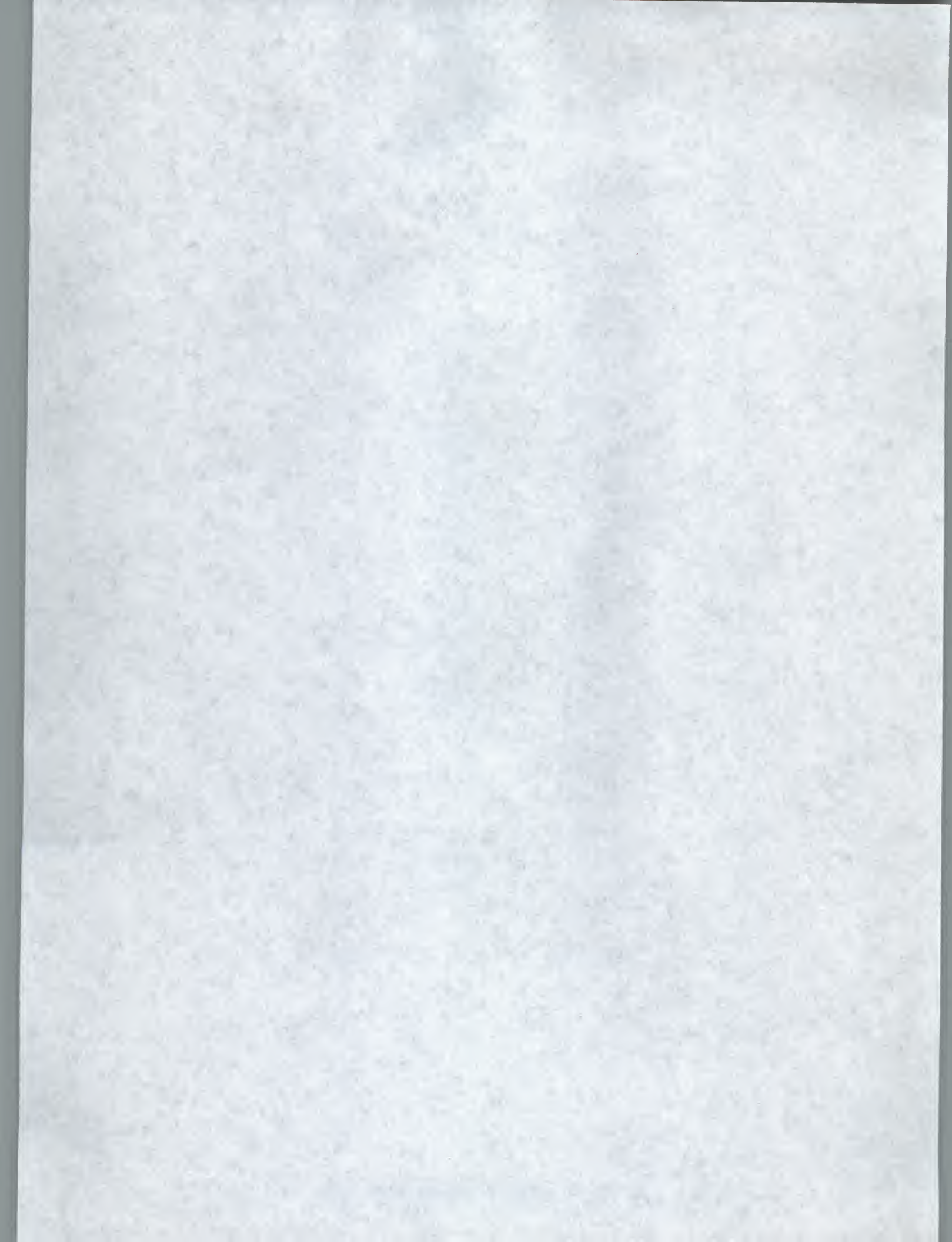
Provides information on the POLYCENTER Software Installation utility, a new component that lets you install and manage software products that are compatible with the utility.

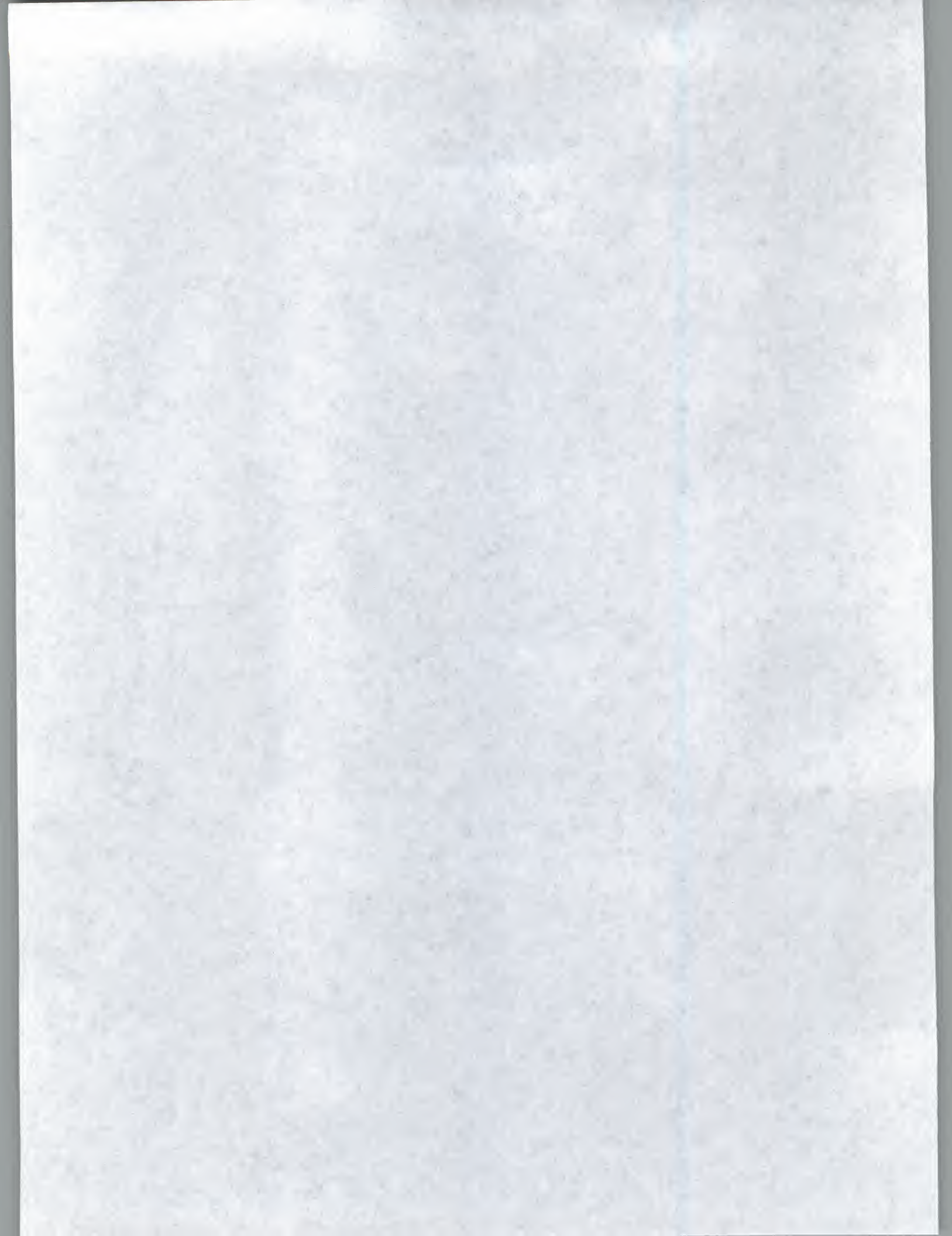


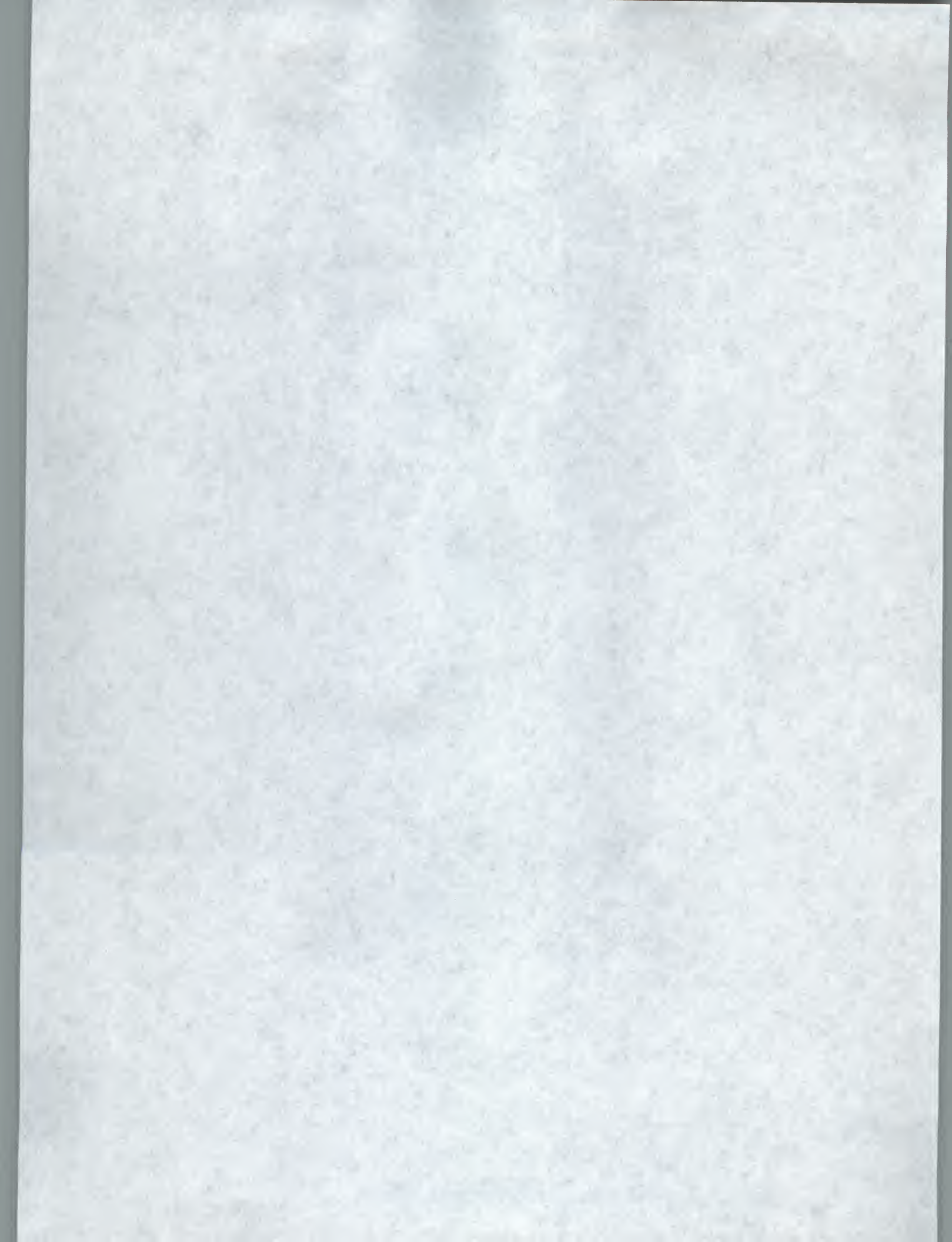


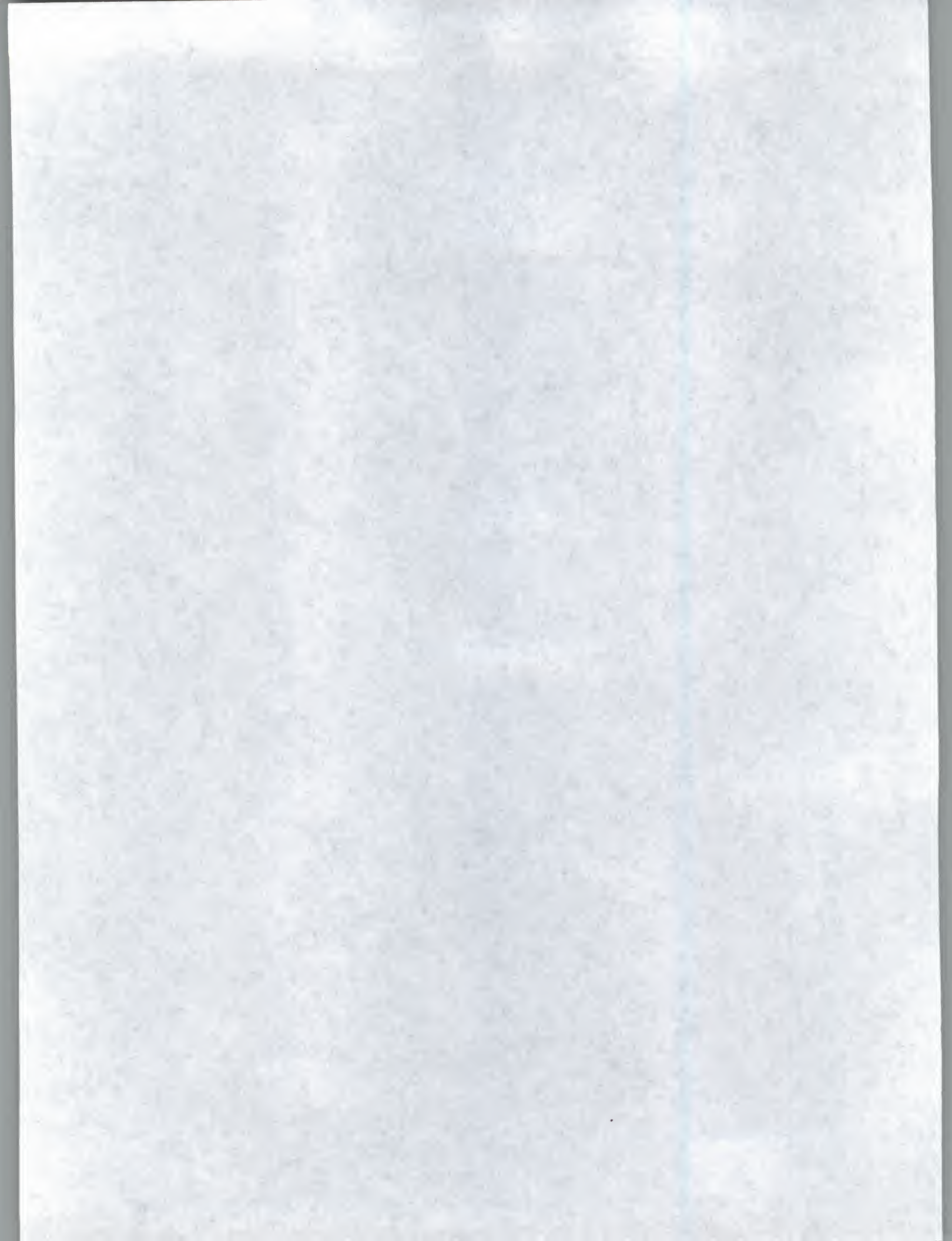


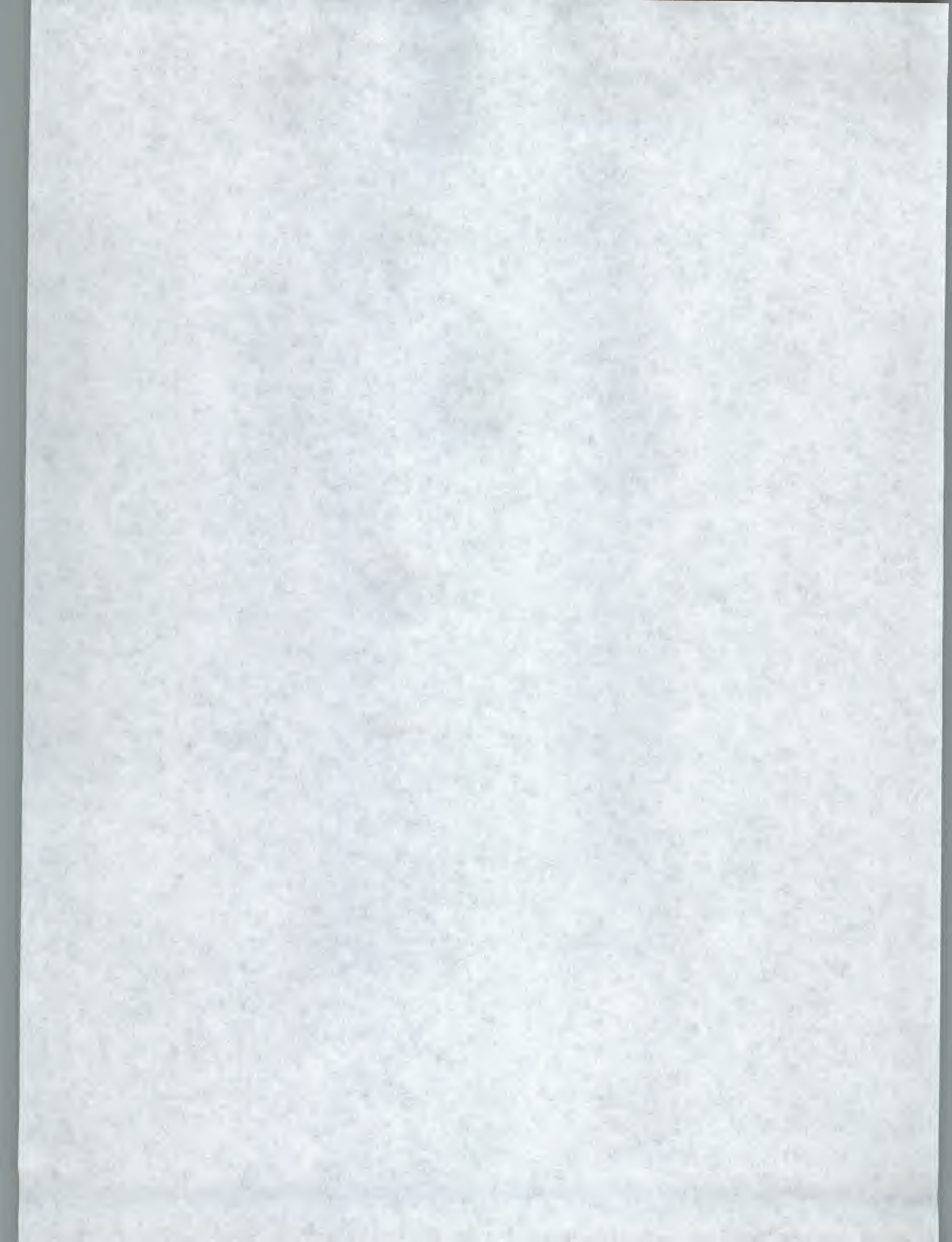


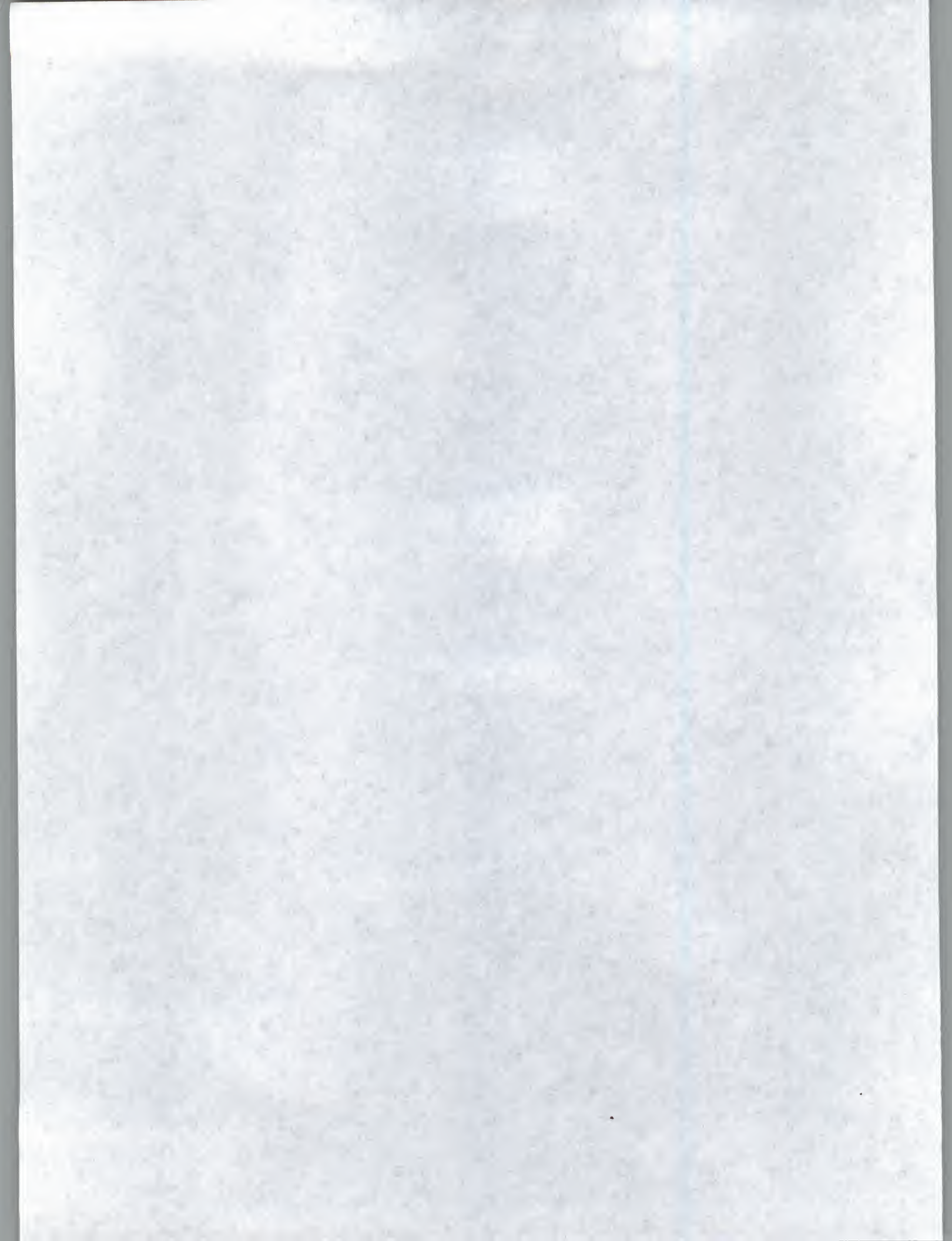


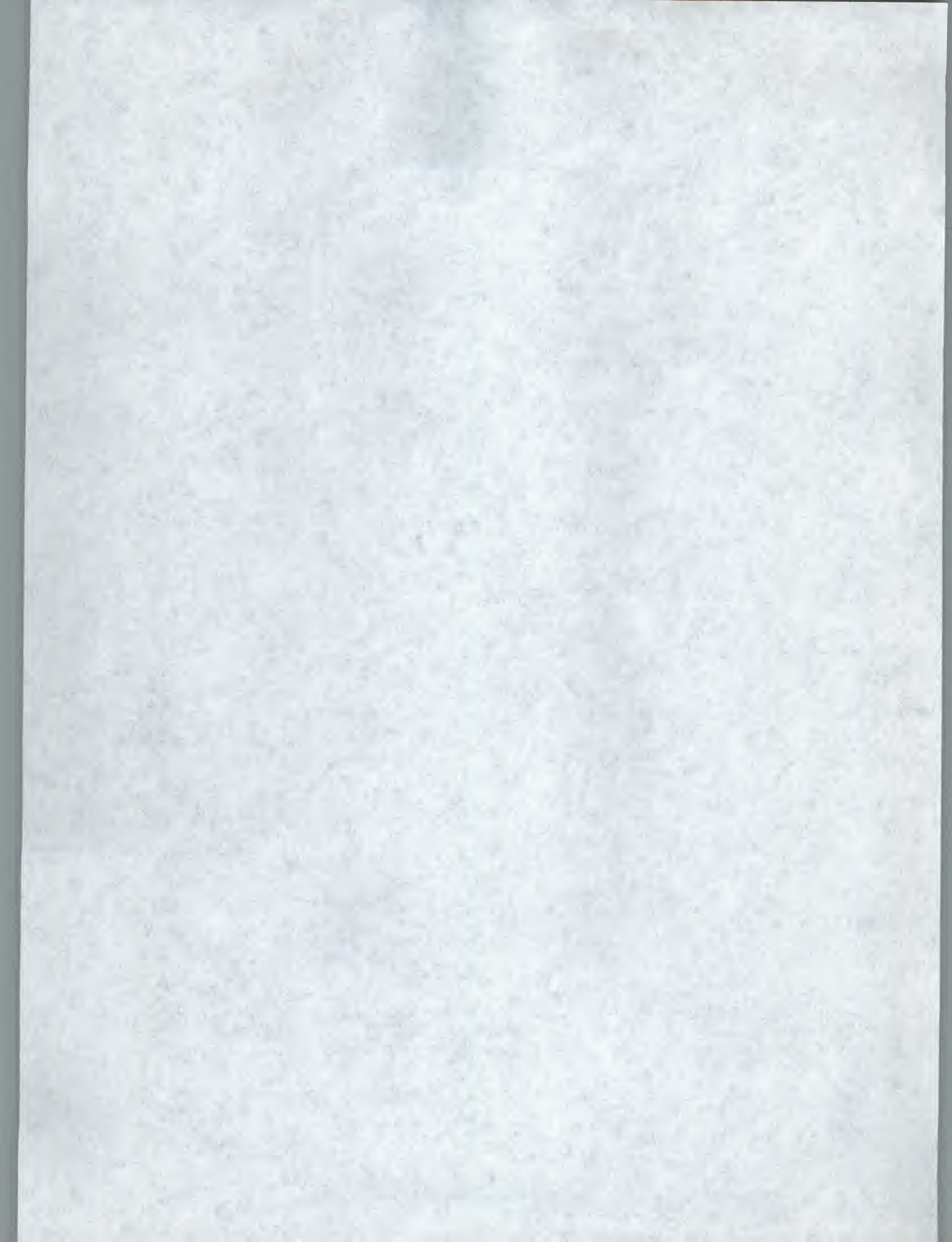


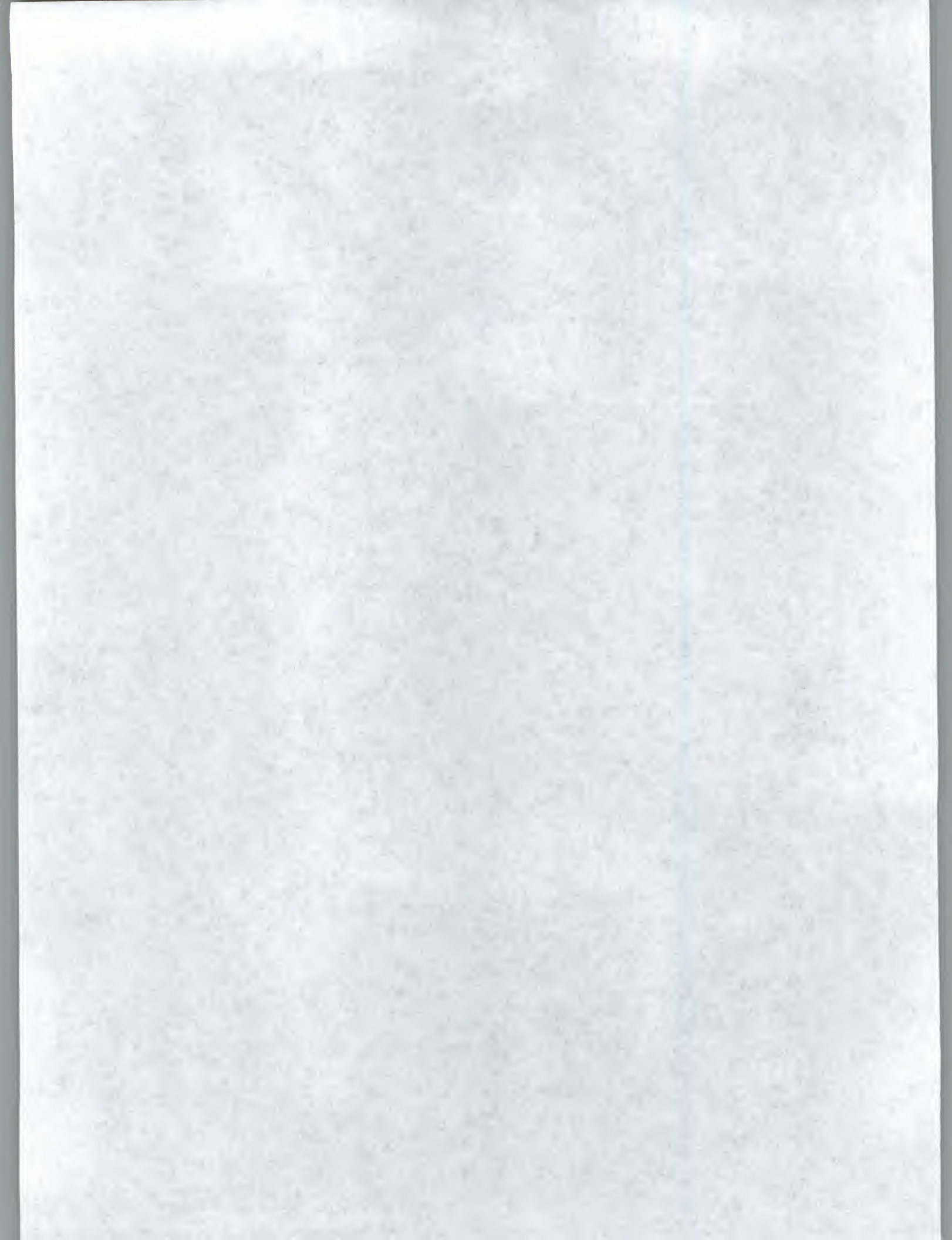


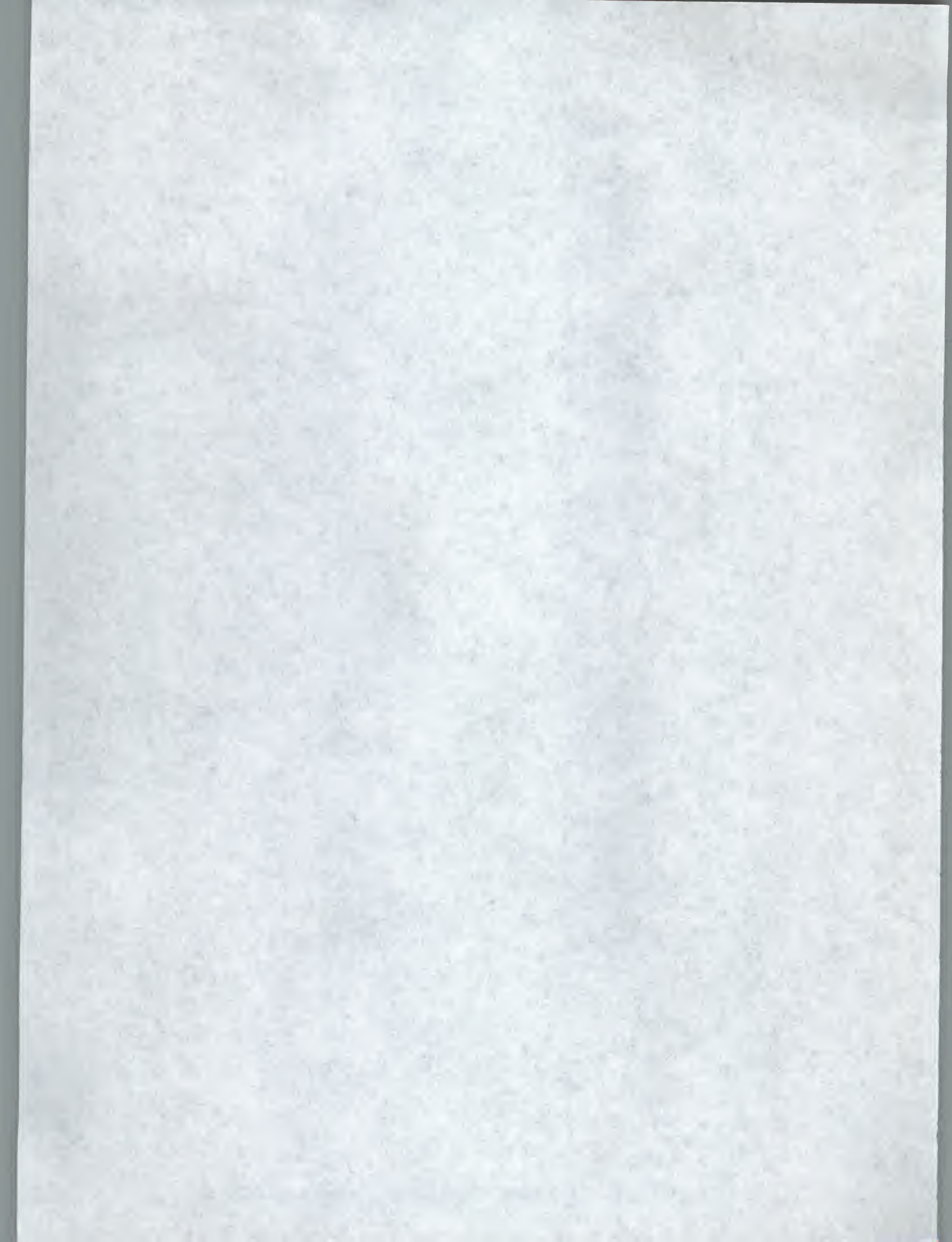


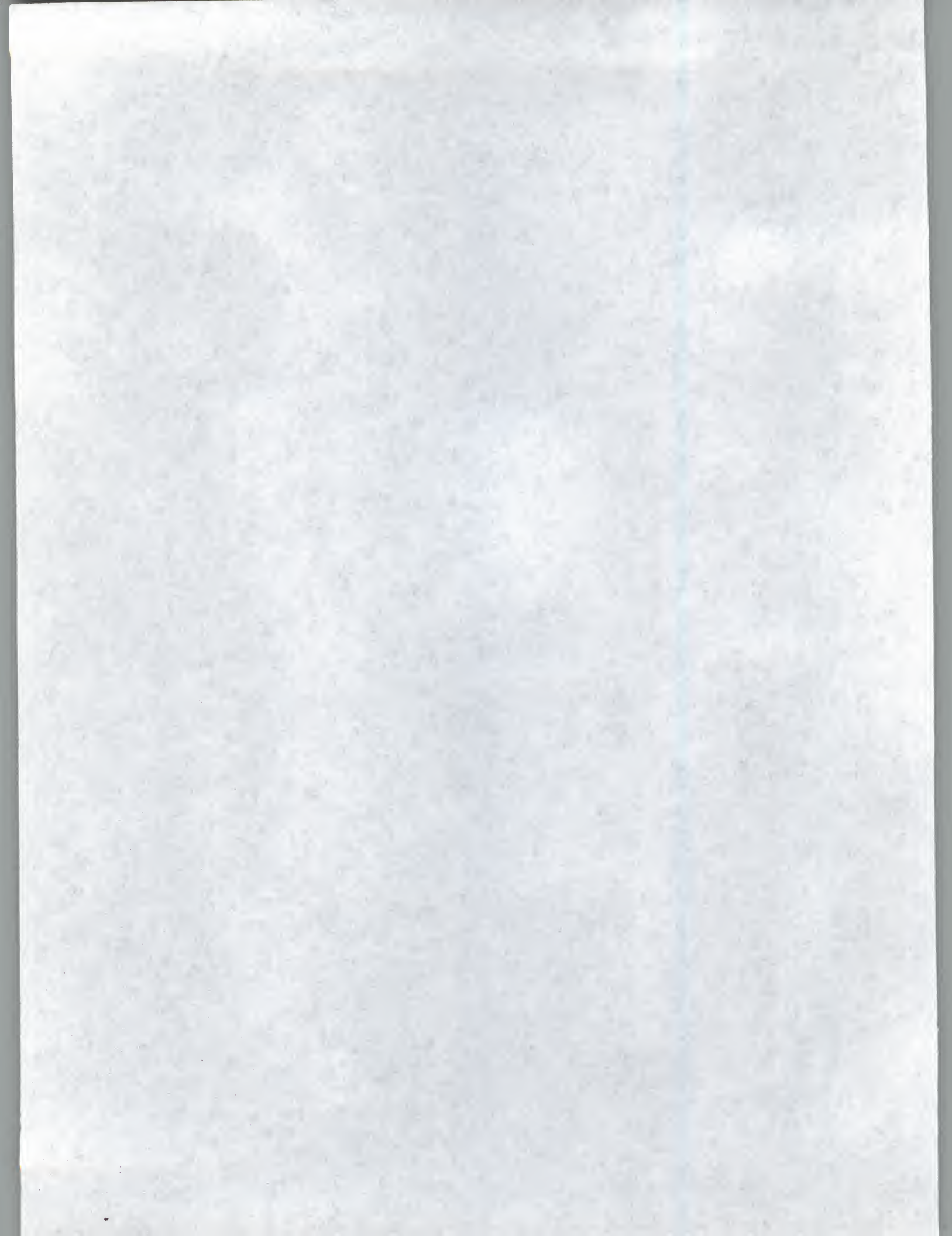














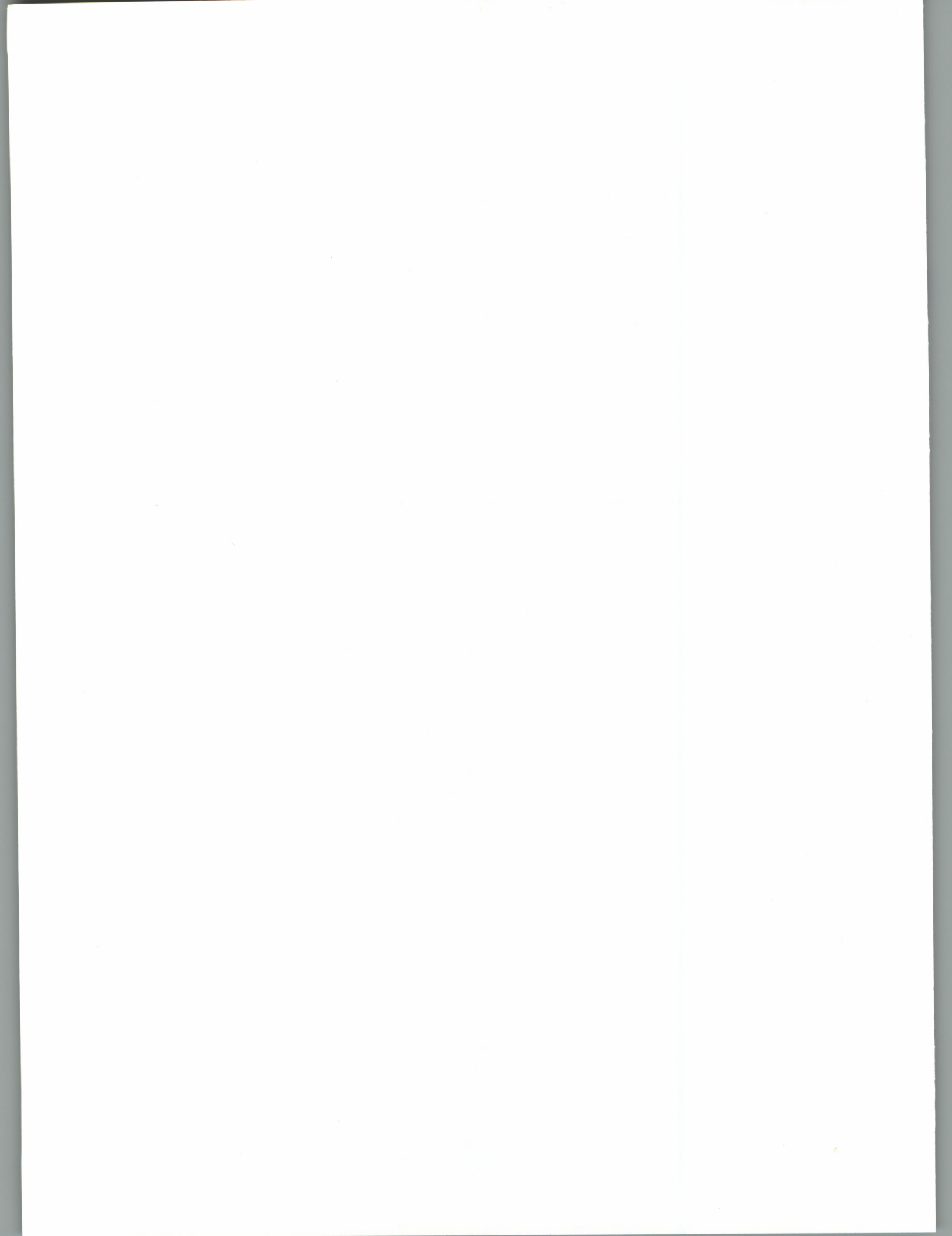
6.2

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Overview of OpenVMS Documentation

OpenVMS





Overview of OpenVMS Documentation

Order Number: AA-PV6YC-TK

May 1995

This manual contains a brief description of the OpenVMS documentation set and includes a short summary of each manual for OpenVMS Alpha Version 6.2 and OpenVMS VAX Version 6.2.

Revision/Update Information:	This manual supersedes the <i>Overview of OpenVMS Documentation</i> , OpenVMS AXP Version 6.1 and OpenVMS VAX Version 6.1.
Software Version:	OpenVMS Alpha Version 6.2 OpenVMS VAX Version 6.2

**Digital Equipment Corporation
Maynard, Massachusetts**

May 1995

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ZK4511

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- Fax: 603-881-0120 Attn: OpenVMS Documentation, ZK03-4/U08
- Online form

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Telephone and Direct Mail Orders

Location	Call	Fax	Write
U.S.A.	DECdirect 800.DIGITAL 800.344.4825	Fax: 800.234.2298	Digital Equipment Corporation P.O. Box CS2008 Nashua, NH 03061
Puerto Rico	809.781.0505	Fax: 809.749.8300	Digital Equipment Caribbean, Inc. 3 Digital Plaza, 1st Street, Suite 200 P.O. Box 11038 Metro Office Park San Juan, Puerto Rico 00910-2138
Canada	800.267.6215	Fax: 613.592.1946	Digital Equipment of Canada, Ltd. Box 13000 100 Herzberg Road Kanata, Ontario, Canada K2K 2A6 Attn: DECdirect Sales
International	—	—	Local Digital subsidiary or approved distributor
Internal Orders	DTN: 264.3030 603.884.3030	Fax: 603.884.3960	U.S. Software Supply Business Digital Equipment Corporation 10 Cotton Road Nashua, NH 03063-1260

ZK-7654A-GE

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A Book Description

1	Book Title
2	Author's Name
3	Editor's Name
4	Reviewer's Name

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1	Figure 1: The first figure
2	Figure 2: The second figure

Tables

1	Table 1: The first table
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3	Table 3: The third table
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1 Overview

This manual is a guide to the OpenVMS documentation set for OpenVMS Alpha Version 6.2 and OpenVMS VAX Version 6.2. It provides information about the contents of the documentation set and provides ordering information for each of the components in the OpenVMS documentation set.

1.1 Documentation Formats

OpenVMS documentation is available in a variety of formats:

- Printed books (hard copy)
- Online viewable books (using the DECwindows Bookreader application)
OpenVMS customers receive the Version 6.2 documentation set in online viewable format with their OpenVMS CD-ROM kit, which contains a separate documentation CD-ROM. This CD-ROM supplies documentation for many layered products as well as the operating system. For more information about the OpenVMS CD-ROM, refer to the *OpenVMS Version 6.2 CD-ROM User's Guide*.
- Printable files in ASCII text and PostScript formats

This manual helps you choose the documentation that best suits your needs. It describes the components of the complete OpenVMS documentation set, provides ordering information, and lists order numbers for all components.

1.2 Alpha and VAX Icons

The name of the OpenVMS AXP operating system has been changed to OpenVMS Alpha. Any references to OpenVMS AXP or AXP are synonymous with OpenVMS Alpha or Alpha.

Most manuals contain information that applies to both OpenVMS Alpha Version 6.2 and OpenVMS VAX Version 6.2. In these manuals, any functional differences between the two platforms are clearly described in the text and marked with margin icons, as follows:

Alpha

The Alpha icon denotes the beginning of information specific to OpenVMS Alpha. ♦

VAX

The VAX icon denotes the beginning of information specific to OpenVMS VAX. ♦

A black diamond (♦) indicates the end of a platform-specific section of information.

2 What's New in Version 6.2

This section describes the changes to the OpenVMS documentation set for OpenVMS Version 6.2.

2.1 New Documentation for This Release

The following manuals have been added to the OpenVMS Version 6.2 documentation set:

- *OpenVMS Management Station Overview and Release Notes*
- *TCP/IP Networking on OpenVMS Systems*

See Appendix A in this document for a description of these manuals.

2.2 Updated Documentation for This Release

The following manuals have been revised in hardcopy and Bookreader for Version 6.2.

- *OpenVMS Compatibility Between VAX and Alpha DECams User's Guide*
- *OpenVMS DCL Dictionary: A-M*
- *OpenVMS DCL Dictionary: N-Z*
- *OpenVMS Guide to System Security*
- *OpenVMS License Management Utility Manual*
- *OpenVMS Master Index*
- *OpenVMS System Manager's Manual: Essentials*
- *OpenVMS System Manager's Manual: Tuning, Monitoring, and Complex Systems*
- *OpenVMS System Management Utilities Reference Manual: A-L*
- *OpenVMS System Management Utilities Reference Manual: M-Z*
- *OpenVMS User's Manual*
- *OpenVMS Version 6.2 New Features Manual*
- *OpenVMS Alpha Version 6.2 Upgrade and Installation Manual*
- *OpenVMS Version 6.2 Release Notes*
- *OpenVMS VAX Version 6.2 Upgrade and Installation Manual*
- *Overview of OpenVMS Documentation*

2.3 New Covers and Designators

For Version 6.2, we have introduced a new cover design and new colors for the Version 6.2 new and updated manuals. The colors of the manuals indicate the manual type (general user, system management, or programming). In addition, we have added a letter to the spine of each manual that indicates the manual type. The following table shows manual type, color, and letter designator.

Manual Type	Cover Color	Letter Designator
General user	Blue	G
System management	Red	S
Programming	Green	P

See Figure 1 for an illustration of the OpenVMS documentation set organized by audience.

2.4 Archived Manuals Provided in PostScript Format

For this release, OpenVMS has archived several manuals. Please note the following:

- Archived books can be ordered separately in hardcopy format through Software Supply Business (SSB). See Section 6 for a list of the OpenVMS archived manuals and order numbers.
- Archived books are provided in PostScript format on CD-ROM. See Section 9 for a list of the OpenVMS archived manuals and filenames.

3 Update Kits

For OpenVMS Version 6.2, the manuals listed in Section 2.2 were revised. Changes made to operating system components whose associated manuals were not revised are documented in either the *OpenVMS Version 6.2 New Features Manual* or in the *OpenVMS Version 6.2 Release Notes*. Some manuals in the OpenVMS documentation set have not been revised for either hardcopy or Bookreader versions. In most cases, no changes have been made to the user operation of the components associated with these manuals.

If you upgrade your system from OpenVMS AXP Version 6.1 to OpenVMS Alpha Version 6.2, or from OpenVMS VAX Version 6.1 to OpenVMS VAX Version 6.2, you should order (or will receive automatically, if your contract specifies it) a documentation update. The documentation update provides the following:

- All manuals that are revised for hardcopy version
- All manuals that are new

If you order any documentation set as a complete order (that is, not as an update), you receive the most recent version of each of the manuals in that set, as listed in this manual.

4 Components of OpenVMS Documentation

OpenVMS documentation consists of the following documentation components:

- Full Documentation Set (which includes the Base Documentation Set)
- Base Documentation Set
- System Integrated Products (SIPs) documentation
- Online help
- Help Message facility

The installation information for your OpenVMS operating system is included in the media kit for your software.

The components of the various documentation sets are described in this section. Ordering information is shown in Section 7.

The OpenVMS hardcopy documentation offering is made up of the following two sets that can be ordered separately:

Set	Order Number
OpenVMS Full Documentation Set	QA-001AA-GZ.6.2
OpenVMS Base Set (subset of Full Documentation Set)	QA-09SAA-GZ.6.2

The OpenVMS Full Documentation Set contains the OpenVMS Base Set. Table 1 lists the books included in the OpenVMS Full and Base Documentation Sets. You can order documentation by sets or by individual manuals.

4.1 OpenVMS Full Documentation Set

Table 1 lists the documents in the OpenVMS Full Documentation Set and the OpenVMS Base Set.

Table 1 OpenVMS Full Documentation Set

Manual	Order Number
OpenVMS Base Subset	
<i>OpenVMS Compatibility Between VAX and Alpha</i>	AA-PYQ4C-TE
<i>OpenVMS DCL Dictionary: A-M</i>	AA-PV5KC-TK
<i>OpenVMS DCL Dictionary: N-Z</i>	AA-PV5LC-TK
<i>OpenVMS Guide to System Security</i>	AA-Q2HLB-TE
<i>OpenVMS Management Station Overview and Release Notes</i>	AA-QJGCA-TE
<i>OpenVMS Master Index</i>	AA-PV5VC-TK
<i>OpenVMS System Management Utilities Reference Manual: A-L</i>	AA-PV5PC-TK
<i>OpenVMS System Management Utilities Reference Manual: M-Z</i>	AA-PV5QC-TK
<i>OpenVMS System Manager's Manual: Essentials</i>	AA-PV5MC-TK
<i>OpenVMS System Manager's Manual: Tuning, Monitoring, and Complex Systems</i>	AA-PV5NC-TK
<i>OpenVMS User's Manual</i>	AA-PV5JB-TK
<i>OpenVMS Version 6.2 New Features Manual</i>	AA-QJEEA-TE
<i>OpenVMS Version 6.2 Release Notes</i>	AA-QJEFA-TE
<i>Overview of OpenVMS Documentation</i>	AA-PV6YC-TK
<i>TCP/IP Networking on OpenVMS Systems</i>	AA-QJGDA-TE
<i>A Comparison of System Management on OpenVMS AXP and OpenVMS VAX</i>	AA-PV71B-TE
<i>Building Dependable Systems: The OpenVMS Approach</i>	AA-PV5YB-TE
<i>Creating an OpenVMS AXP Step 2 Device Driver from a Step 1 Device Driver</i>	AA-Q28TA-TE
<i>Creating an OpenVMS AXP Step 2 Device Driver from an OpenVMS VAX Device Driver</i>	AA-Q28UA-TE
<i>DECams User's Guide</i>	AA-Q3JSB-TE
<i>DECnet for OpenVMS Guide to Networking</i>	AA-PV5ZA-TK

(continued on next page)

Table 1 (Cont.) OpenVMS Full Documentation Set

Manual	Order Number
<i>DECnet for OpenVMS Networking Manual</i>	AA-PV60A-TK
<i>DECnet for OpenVMS Network Management Utilities</i>	AA-PV61A-TK
<i>DEC Text Processing Utility Reference Manual</i>	AA-PWCCA-TE
<i>Digital Portable Mathematics Library</i>	AA-PV6VB-TE
<i>Extensible Versatile Editor Reference Manual</i>	AA-PWCDA-TE
<i>Guide to Creating OpenVMS Modular Procedures</i>	AA-PV6AA-TK
<i>Guide to DECthreads</i>	AA-Q39DA-TK
<i>Guide to the DEC Text Processing Utility</i>	AA-PWCBA-TE
<i>Guide to OpenVMS AXP Performance Management</i>	AA-PV5XA-TE
<i>Guide to OpenVMS File Applications</i>	AA-PV6PA-TK
<i>Guide to OpenVMS Performance Management</i>	AA-Q28WA-TE
<i>Guidelines for VMScluster System Configurations</i>	AA-Q28LA-TK
<i>Migrating to an OpenVMS AXP System: Planning for Migration</i>	AA-PV62A-TE
<i>Migrating to an OpenVMS AXP System: Porting VAX MACRO Code</i>	AA-PV64A-TE
<i>Migrating to an OpenVMS AXP System: Recompiling and Relinking Applications</i>	AA-PV63A-TE
<i>OpenVMS AXP Device Support: Developer's Guide</i>	AA-Q28SA-TE
<i>OpenVMS AXP Device Support: Reference</i>	AA-Q28PA-TE
<i>OpenVMS AXP System Dump Analyzer Utility Manual</i>	AA-PV6UB-TE
<i>OpenVMS Calling Standard</i>	AA-PV69B-TK
<i>OpenVMS Command Definition, Librarian, and Message Utilities Manual</i>	AA-PV6DA-TK
<i>OpenVMS Debugger Manual</i>	AA-PV6BB-TK
<i>OpenVMS Delta/XDelta Debugger Manual</i>	AA-PWCAA-TE
<i>OpenVMS Glossary</i>	AA-PV5UA-TK
<i>OpenVMS I/O User's Reference Manual</i>	AA-PV6SA-TK
<i>OpenVMS Linker Utility Manual</i>	AA-PV6CA-TK
<i>OpenVMS Programming Concepts Manual</i>	AA-PV67B-TK
<i>OpenVMS Programming Environment Manual</i>	AA-PV66B-TK
<i>OpenVMS Programming Interfaces: Calling a System Routine</i>	AA-PV68A-TK
<i>OpenVMS Record Management Utilities Reference Manual</i>	AA-PV6QA-TK
<i>OpenVMS Record Management Services Reference Manual</i>	AA-PV6RA-TK
<i>OpenVMS RTL General Purpose (OTS\$) Manual</i>	AA-PV6HA-TK
<i>OpenVMS RTL Library (LIB\$) Manual</i>	AA-PV6KB-TK
<i>OpenVMS RTL Screen Management (SMG\$) Manual</i>	AA-PV6LA-TK
<i>OpenVMS RTL String Manipulation (STR\$) Manual</i>	AA-PV6MA-TK
<i>OpenVMS Software Overview</i>	AA-PVXHB-TE
<i>OpenVMS System Messages: Companion Guide for Help Message Users</i>	AA-PV5TA-TK

(continued on next page)

Table 1 (Cont.) OpenVMS Full Documentation Set

Manual	Order Number
<i>OpenVMS System Services Reference Manual: A-GETMSG</i>	AA-PV6FB-TK
<i>OpenVMS System Services Reference Manual: GETQUI-Z</i>	AA-PV6GB-TK
<i>OpenVMS Utility Routines Manual</i>	AA-PV6EB-TK
<i>OpenVMS VAX Device Support Manual</i>	AA-PWC8A-TE
<i>OpenVMS VAX Device Support Reference Manual</i>	AA-PWC9A-TE
<i>OpenVMS VAX RTL Mathematics (MTH\$) Manual</i>	AA-PVXJA-TE
<i>OpenVMS VAX System Dump Analyzer Utility Manual</i>	AA-PV6TA-TE
<i>POLYCENTER Software Installation Utility Developer's Guide</i>	AA-Q28MA-TK
<i>VAX MACRO and Instruction Set Reference Manual</i>	AA-PS6GA-TE
<i>VMScluster Systems for OpenVMS</i>	AA-PV5WB-TK

Figure 1 lists the OpenVMS documentation set organized by audience.

Figure 1 OpenVMS Documentation Set Organized by Audience

General User Manuals

<i>Extensible Versatile Editor Reference Manual</i>	<i>OpenVMS Software Overview</i>
<i>OpenVMS Compatibility Between VAX and Alpha</i>	<i>OpenVMS System Messages: Companion Guide for Help Message users</i>
<i>OpenVMS DCL Dictionary (I & II)</i>	<i>OpenVMS User's Manual</i>
<i>OpenVMS Glossary</i>	<i>OpenVMS Version 6.2 New Features</i>
<i>OpenVMS Management Station Overview and Release Notes</i>	<i>OpenVMS Version 6.2 Release Notes</i>
<i>OpenVMS Master Index</i>	<i>Overview to OpenVMS Documentation</i>

System Management Manuals

<i>A Comparison of System Management on OpenVMS AXP and OpenVMS VAX</i>	<i>OpenVMS Alpha Version 6.2 Upgrade and Installation Manual</i>
<i>Building Dependable Systems: The OpenVMS Approach</i>	<i>OpenVMS Compatibility Between VAX and Alpha</i>
<i>DECards User's Guide</i>	<i>OpenVMS Guide to System Security</i>
<i>DECnet for OpenVMS Guide to Networking</i>	<i>OpenVMS System Management Utilities Reference Manuals (I & II)</i>
<i>DECnet for OpenVMS Networking Manual</i>	<i>OpenVMS System Manager's Manuals (I & II)</i>
<i>DECnet for OpenVMS Network Management Utilities</i>	<i>OpenVMS VAX Version 6.2 Upgrade and Installation Manual</i>
<i>Guide to OpenVMS AXP Performance Management</i>	<i>Polycenter Software Installation Utility Developer's Guide</i>
<i>Guide to OpenVMS Performance Management</i>	<i>TCP/IP Networking on OpenVMS Systems</i>
<i>Guidelines for VMScluster Configurations</i>	<i>VMScluster Systems for OpenVMS</i>

Programming Manuals

<i>Creating an OpenVMS AXP Step 2 Device Driver from an OpenVMS VAX Device Driver</i>	<i>OpenVMS Debugger Manual</i>
<i>Creating an OpenVMS AXP Step2 Device Driver from a Step 1 Device Driver</i>	<i>OpenVMS Delta/XDelta Debugger Manual</i>
<i>DEC Text Processing Utility Reference Manual</i>	<i>OpenVMS Linker Utility Manual</i>
<i>DPML, Digital Portable Mathematics Library</i>	<i>OpenVMS I/O User's Reference Manual</i>
<i>Guide to Creating OpenVMS Modular Procedures</i>	<i>OpenVMS Programming Concepts Manual</i>
<i>Guide to DEC Text Processing Utility</i>	<i>OpenVMS Programming Environment Manual</i>
<i>Guide to DECthreads</i>	<i>OpenVMS Programming Interfaces: Calling a System Routine</i>
<i>Guide to OpenVMS File Applications</i>	<i>OpenVMS Record Management Services Reference Manual</i>
<i>Migrating to an OpenVMS AXP System: Planning for Migration</i>	<i>OpenVMS Record Management Utilities Reference Manual</i>
<i>Migrating to an OpenVMS AXP System: Recompiling and Relinking Applications</i>	<i>OpenVMS RTL Screen Management (SMG\$) Manual</i>
<i>Migrating to an OpenVMS AXP System: Porting VAX MACRO Code</i>	<i>OpenVMS RTL String Manipulation (STR\$) Manual</i>
<i>OpenVMS AXP Device Support: Developer's Guide</i>	<i>OpenVMS RTL Library (LIB\$) Manual</i>
<i>OpenVMS AXP Device Support Reference</i>	<i>OpenVMS RTL General Purpose (OTS\$) Manual</i>
<i>OpenVMS AXP System Dump Analyzer Utility Manual</i>	<i>OpenVMS RTL Parallel Processing (PPL\$) Manual</i>
<i>OpenVMS Calling Standard</i>	<i>OpenVMS RTL Mathematics (MTH\$) Manual</i>
<i>OpenVMS Command Definition, Librarian, and Message Utilities Manual</i>	<i>OpenVMS System Services Reference Manual (I & II)</i>
	<i>OpenVMS Utility Routines Manual</i>
	<i>OpenVMS VAX Device Support Manual</i>
	<i>OpenVMS VAX Device Support Reference Manual</i>
	<i>OpenVMS VAX System Dump Analyzer Utility Manual</i>

**This table does not include OpenVMS VAX installation supplements (see Section 5)
or OpenVMS achived manuals (see Section 6).**

4.2 System Integrated Products

System Integrated Products are included in the OpenVMS software, but you must purchase separate licenses to enable them, and you must purchase the related documentation separately. These manuals are not included in the Full Documentation Set. Table 2 lists the order numbers for individual SIPs manuals. See Section A.3 for a description of each manual.

Table 2 Order Numbers for SIPs Manuals

Title	Order Number
<i>Volume Shadowing for OpenVMS</i>	AA-PVXMC-TE
<i>RMS Journaling for OpenVMS Manual</i>	AA-JG41C-TE

4.3 Online Help

The OpenVMS operating system provides online help for the commands, utilities, and system routines documented in the Full Documentation Set.

4.4 Help Message

You can use the Help Message facility to quickly access online descriptions of system messages. In addition, you can add your own source files, such as messages documentation that you have written to the Help Message database. The manual *OpenVMS System Messages: Companion Guide for Help Message Users* explains how to use the Help Message facility. You can also access DCL Help for Help Message by entering:

```
$ HELP HELP/MESSAGE
```

5 Upgrade and Installation Documentation

Your installation information includes an installation and upgrade manual for your system plus the *OpenVMS License Management Utility Manual*. The *OpenVMS License Management Utility Manual* is included in all OpenVMS media kits. This manual describes the License Management Facility (LMF), the software license management tool. LMF includes the License Management Utility (LICENSE) and the command procedure VMSLICENSE.COM, which is used to register, manage, and track software licenses on line.

Alpha

OpenVMS Alpha customers receive the *OpenVMS Alpha Version 6.2 Upgrade and Installation Manual*. This manual contains step-by-step upgrade and installation information as well as device-naming and booting information.

For OpenVMS Alpha Version 6.2, use the POLYCENTER Software Installation utility to install the operating system. Complete installation information for OpenVMS Alpha Version 6.2 is available in the *OpenVMS Alpha Version 6.2 Upgrade and Installation Manual*. ♦

VAX

On OpenVMS VAX, the *OpenVMS VAX Version 6.2 Upgrade and Installation Manual* is your primary source for step-by-step upgrade and installation procedures using the VMSINSTAL utility. Start any Version 6.2 installation or upgrade by following the instructions in the *OpenVMS VAX Version 6.2 Upgrade and Installation Manual*, which is included in your media kit.

In addition to the *OpenVMS VAX Version 6.2 Upgrade and Installation Manual*, you receive one or more upgrade and installation supplements with your media kit. These manuals contain information specific to your VAX computer. Use your computer-specific supplement in conjunction with the *OpenVMS VAX Version 6.2 Upgrade and Installation Manual* when you install or upgrade your system software. ♦

5.1 Upgrade and Installation Supplements

Table 3 lists the titles and the order numbers for the upgrade and installation manuals and supplements. Note that you will receive upgrade and installation information and the *OpenVMS License Management Utility Manual* with your software media.

Table 3 Order Numbers for Upgrade and Installation Documents

Title	Order Number
<i>OpenVMS Alpha Version 6.2 Upgrade and Installation Manual</i>	AA-PV6XC-TE
<i>OpenVMS VAX Version 6.2 Upgrade and Installation Manual</i>	AA-PV6WC-TE
<i>License Management Utility Manual</i>	AA-PVXUC-TK
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 7000 Series and VAX 10000 Series</i>	AA-PVXTA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 9000 Series</i>	AA-PS6TA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAXstation 3100, 4000 and MicroVAX 3100 Series</i>	AA-PS6SA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 6000 Series</i>	AA-PS6NA-TE
<i>VMS Installation and Operations: VAX-11/730</i>	AA-LB31B-TE
<i>OpenVMS VAX Installation and Operations: VAXstation II, II/GPX and MicroVAX II</i>	AA-PS6ZA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAXstation 3520, 3540</i>	AA-PS6LA-TE
<i>OpenVMS Upgrade/Installation: VAX 4000 Series, MicroVAX, VAXstation, and VAXserver 32/33/34/35/36/38/3900 Series</i>	AA-PS6RA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 8530, 8550, 8810 (8700), and 8820-N (8800)</i>	AA-PS6QA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 8600, 8650</i>	AA-PS6UA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 8200, 8250, 8300, 8350</i>	AA-PS6PA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAXstation 2000, MicroVAX 2000</i>	AA-PS6YA-TE
<i>OpenVMS VAX Upgrade and Installation Supplement: VAX 8820, 8830, 8840</i>	AA-PS6MA-TE

6 OpenVMS Archived Books

This section lists the the OpenVMS manuals that have been archived for OpenVMS Version 6.2. Please note the following.

- Archived books can be ordered separately in hardcopy format through Software Supply Business (SSB).

- Archived books are also available in PostScript format on CD-ROM and tape.

Table 4 Archived OpenVMS Books Manuals

Manual	Order Number
<i>OpenVMS RTL Parallel Processing (PPL\$) Manual</i>	AA-PV6JA-TK
<i>OpenVMS Developer's Guide to VMSINSTAL</i>	AA-PWBXA-TE
<i>OpenVMS System Messages and Recovery Procedures Reference Manual: A-L</i>	AA-PVXKA-TE
<i>OpenVMS System Messages and Recovery Procedures Reference Manual: M-Z</i>	AA-PVXLA-TE
<i>OpenVMS Wide Area Network I/O User's Reference Manual</i>	AA-PWC7A-TE
<i>OpenVMS VAX Card Reader, Line Printer, and LPA11-K I/O User's Reference Manual</i>	AA-PVXGA-TE
<i>OpenVMS Terminal Fallback Utility Manual</i>	AA-PS6BA-TE
<i>OpenVMS RTL DECtalk (DTK\$) Manual</i>	AA-PS6CA-TE
<i>OpenVMS SUMSLP Utility Manual</i>	AA-PS6EA-TE
<i>OpenVMS National Character Set Utility Manual</i>	AA-PS6FA-TE
<i>OpenVMS EDT Reference Manual</i>	AA-PS6KA-TE
<i>OpenVMS DIGITAL Standard Runoff Reference Manual</i>	AA-PS6HA-TE
<i>OpenVMS Bad Block Locator Utility Manual</i>	AA-PS69A-TE
<i>OpenVMS Exchange Utility Manual</i>	AA-PS6AA-TE
<i>OpenVMS VAX Patch Utility Manual</i>	AA-PS6DA-TE
<i>OpenVMS Obsolete Features Manual</i>	AA-PS6JA-TE
<i>PDP-11 TECO User's Guide</i> ¹	AA-K420B-TC

¹This manual has been archived and is not available as a PostScript file, but you can order it through DECdirect. Refer to Section 7.

7 How To Order Documentation

Use the following table to order additional documentation or information. If you need additional help deciding which documentation best suits your needs, in the United States call 800-DIGITAL (800-344-4825).

Telephone and Direct Mail Orders

Location	Call	Fax	Write
U.S.A.	DECdirect 800.DIGITAL 800.344.4825	Fax: 800.234.2298	Digital Equipment Corporation P.O. Box CS2008 Nashua, NH 03061
Puerto Rico	809.781.0505	Fax: 809.749.8300	Digital Equipment Caribbean, Inc. 3 Digital Plaza, 1st Street, Suite 200 P.O. Box 11038 Metro Office Park San Juan, Puerto Rico 00910-2138
Canada	800.267.6215	Fax: 613.592.1946	Digital Equipment of Canada, Ltd. Box 13000 100 Herzberg Road Kanata, Ontario, Canada K2K 2A6 Attn: DECdirect Sales
International	—	—	Local Digital subsidiary or approved distributor
Internal Orders	DTN: 264.3030 603.884.3030	Fax: 603.884.3960	U.S. Software Supply Business Digital Equipment Corporation 10 Cotton Road Nashua, NH 03063-1260

8 Online Documentation

All OpenVMS documentation is available in online books that can be viewed with the DECwindows Bookreader or the DECwindows Motif Bookreader.

For this release, OpenVMS is providing a separate documentation CD-ROM to all OpenVMS customers. The documentation CD-ROM contains the OpenVMS Full Documentation Set in Bookreader format as well as online documentation for the following layered products:

- POSIX
- DECwindows Motif for OpenVMS
- SoftWindows
- SoftPC
- DECmigrate
- DCE
- DEC TCP/IP Services
- System Health Check
- DECamds

For more information about the OpenVMS CD-ROM kit, refer to the *OpenVMS Version 6.2 CD-ROM User's Guide*.

9 Printable Documentation

The OpenVMS Documentation CD-ROM contains printable files. Table 5 lists the OpenVMS manuals available in ASCII Text and PostScript formats on the OpenVMS Documentation CD-ROM.

Table 5 Printable Files on the OpenVMS Documentation CD-ROM

Document Title	Filename
OpenVMS Documentation	
<i>OpenVMS Version 6.2 Release Notes</i>	OVMS_62_REL_NOTES.[PS,TXT]
<i>OpenVMS Version 6.2 New Features Manual</i>	OVMS_62_NEW_FEATURES.[PS,TXT]
<i>OpenVMS VAX Version 6.2 Upgrade and Installation Manual</i>	OVMS_62_VAX_INSTALL.[PS,TXT]
<i>OpenVMS Alpha Version 6.2 Upgrade and Installation Manual</i>	OVMS_62_ALPHA_INSTALL.[PS,TXT]
<i>OpenVMS Version 6.2 CD-ROM User's Guide</i>	OVMS_62_CD_USER_GD.[PS]
<i>OpenVMS for Alpha and VAX Version 6.2 SPD</i>	OVMS_62_SPD.[PS,TXT]
<i>DECnet for OpenVMS SPD</i>	DECNET_SPD.[PS,TXT]
<i>RMS Journaling for OpenVMS SPD</i>	RMS_SPD.[PS,TXT]
<i>Volume Shadowing for OpenVMS SPD</i>	VOL_SHAD_SPD.[PS,TXT]
<i>OpenVMS Cluster Software SPD</i>	CLUSTER_SPD.[PS,TXT]

(continued on next page)

Table 5 (Cont.) Printable Files on the OpenVMS Documentation CD-ROM

Document Title	Filename
OpenVMS Archived Manuals	
<i>OpenVMS Bad Block Locator Utility Manual</i>	OVMS_BAD_BLK_UTIL.PS
<i>OpenVMS Developer's Guide to VMSINSTAL</i>	OVMS_DEVGD_VMSINSTAL.PS
<i>OpenVMS EDT Reference Manual</i>	OVMS_EDT_REF.PS
<i>OpenVMS DIGITAL Standard Runoff Reference Manual</i>	OVMS_DSR_REF.PS
<i>OpenVMS Exchange Utility Manual</i>	OVMS_EXCH_UTIL.PS
<i>OpenVMS System Messages and Recovery Procedures Reference Manual: A-L</i>	OVMS_MSG_REF_AL.PS
<i>OpenVMS System Messages and Recovery Procedures Reference Manual: M-Z</i>	OVMS_MSG_REF_MZ.PS
<i>OpenVMS Obsolete Features Manual</i>	OVMS_OBSOLETE_FEAT.PS
<i>OpenVMS VAX Patch Utility Manual</i>	OVMS_PATCH_UTIL.PS
<i>OpenVMS RTL DECtalk (DTK\$) Manual</i>	OVMS_RTL_DTK.PS
<i>OpenVMS RTL Parallel Processing (PPL\$) Manual</i>	OVMS_RTL_PPL.PS
<i>OpenVMS National Character Set Utility Manual</i>	OVMS_NCS_UTIL.PS
<i>OpenVMS SUMSLP Utility Manual</i>	OVMS_SUMSLP_UTIL.PS
<i>OpenVMS Terminal Fallback Utility Manual</i>	OVMS_FALLBACK_UTIL.PS
<i>OpenVMS VAX Card Reader, Line Printer, and LPA11-K I/O User's Reference Manual</i>	OVMS_VAX_CARD_LP_REF.PS
<i>OpenVMS Wide Area Network I/O User's Reference Manual</i>	OVMS_WAN_USER.PS

For more information about the OpenVMS CD-ROM kit, refer to the *OpenVMS Version 6.2 CD-ROM User's Guide*.

10 Restructured Documentation Sets

For the OpenVMS AXP Version 1.5 and OpenVMS VAX Version 6.0 releases, OpenVMS introduced a restructured information set for the OpenVMS operating system.

Many of the most commonly-used manuals (for example, the *DCL Dictionary*) continue to be published and revised under the same or very similar titles. Other manuals were discontinued and their information was moved into other manuals. Table 6 shows where information from those discontinued manuals can be found in the OpenVMS Version 6.2 documentation.

Table 6 Where to Find Information

Discontinued Manual	New Location Version 6.2
General User	
<i>VMS General User Master Index</i>	Discontinued
<i>Introduction to VMS</i>	<i>OpenVMS User's Manual</i>
<i>Guide to Using VMS</i>	
<i>VMS DCL Concepts Manual</i>	
<i>Guide to Using VMS Command Procedures</i>	
<i>VMS Mail Utility Manual</i>	<i>OpenVMS User's Manual</i>
<i>VMS Sort/Merge Utility Manual</i>	Online Help
<i>VMS Phone Utility Manual</i>	
<i>Guide to VMS Text Processing</i>	<i>OpenVMS User's Manual</i> <i>Extensible Versatile Editor Reference Manual</i> <i>OpenVMS DIGITAL Standard Runoff Reference Manual</i> <i>OpenVMS EDT Reference Manual</i> Online Help
<i>Guide to VMS Files and Devices</i>	<i>OpenVMS System Manager's Manual</i>
System Management	
<i>POLYCENTER Software Installation Utility User's Guide</i>	<i>OpenVMS System Manager's Manual</i>
<i>VMS System Management Master Index</i>	Discontinued
<i>Introduction to VMS System Management</i>	<i>OpenVMS System Manager's Manual</i>
<i>Guide to Setting Up a VMS System</i>	
<i>Guide to Maintaining a VMS System</i>	
<i>Using VMS BACKUP</i>	

(continued on next page)

Table 6 (Cont.) Where to Find Information

Discontinued Manual	New Location Version 6.2
System Management	
<i>VMS SYSMAN Utility Manual</i>	<i>OpenVMS System Management Utilities Reference Manual</i>
<i>VMS Install Utility Manual</i>	<i>Online Help</i>
<i>VMS LAT Control Program (LATCP) Manual</i>	
<i>VMS System Generation Utility Manual</i>	
<i>VMS Analyze/Disk_Structure Utility Manual</i>	
<i>VMS Backup Utility Manual</i>	
<i>VMS Error Log Utility Manual</i>	
<i>VMS Mount Utility Manual</i>	
<i>VMS Access Control List Editor Manual</i>	
<i>VMS Authorize Utility Manual</i>	
<i>VMS Audit Analysis Utility Manual</i>	
<i>VMS Accounting Utility Manual</i>	
<i>VMS Monitor Utility Manual</i>	
<i>VMS Show Cluster Utility Manual</i>	
 <i>VMS Exchange Utility Manual</i>	 <i>OpenVMS System Manager's Manual</i>
<i>VMS Terminal Fallback Utility Manual</i>	<i>Online Help</i>
<i>VMS Bad Block Locator Utility Manual</i>	
 <i>Guide to DECnet-VAX Networking</i>	 <i>DECnet for OpenVMS Guide to Networking</i>
 <i>VMS Networking Manual</i>	 <i>DECnet for OpenVMS Networking Manual</i>
 <i>VMS DECnet Test Sender/DECnet Test Receiver Utility Manual</i>	 <i>DECnet for OpenVMS Network Management Utilities</i>
<i>VMS Network Control Language Reference Manual</i>	<i>Online Help</i>
 <i>VMS LAD Control Program (LADCP) Manual</i>	 <i>OpenVMS System Manager's Manual</i> <i>InfoServer System Operations Guide</i> <i>InfoServer Client for OpenVMS LASTCP and LADCP Utilities</i> <i>Online Help</i>
Discontinued Manual	New Location of Information
Programming	
<i>Guide to VMS Programming Resources</i>	<i>OpenVMS Programming Environment Manual</i> <i>OpenVMS Programming Concepts Manual</i>

(continued on next page)

Table 6 (Cont.) Where to Find Information

Discontinued Manual	New Location of Information
Programming	
<i>VMS Command Definition Utility Manual</i>	<i>OpenVMS Command Definition, Librarian, and Message Utilities Manual</i> Online Help
<i>VMS Librarian Utility Manual</i>	
<i>VMS Message Utility Manual</i>	
<i>VMS Analyze/RMS File Utility Manual</i>	<i>OpenVMS Record Management Utilities Reference Manual</i> Online Help
<i>VMS Convert and Convert/Reclaim Utility Manual</i>	
<i>VMS File Definition Language Facility Manual</i>	
<i>Introduction to VMS System Routines</i>	<i>OpenVMS Programming Interfaces: Calling a System Routine</i> <i>OpenVMS Calling Standard</i>
<i>Introduction to the VMS Run-Time Library</i>	<i>OpenVMS Programming Interfaces: Calling a System Routine</i>
<i>Introduction to VMS System Services</i>	<i>OpenVMS Programming Concepts Manual</i> <i>OpenVMS Programming Interfaces: Calling a System Routine</i>
<i>VAX Text Processing Utility Manual</i>	<i>DEC Text Processing Utility Reference Manual</i> Online Help
<i>VMS I/O User's Reference Manual: Part I</i>	<i>OpenVMS I/O User's Reference Manual</i> , except Chapters 2, 4, and 5, which are in the <i>OpenVMS VAX Card Reader, Line Printer, and LPA11-K I/O User's Reference Manual</i>
<i>VMS I/O User's Reference Manual: Part II</i>	Chapters 1 through 5: <i>OpenVMS Wide Area Network I/O User's Reference Manual</i> Chapter 6, Ethernet/802 Device Drivers: <i>OpenVMS I/O User's Reference Manual</i>
Archived Manual¹	
<i>OpenVMS RTL Parallel Processing (PPL\$) Manual</i>	AA-PV6JA-TK
<i>OpenVMS Developer's Guide to VMSINSTAL</i>	AA-PWBXA-TE
<i>OpenVMS System Messages and Recovery Procedures Reference Manual: A-L</i>	AA-PVXKA-TE
<i>OpenVMS System Messages and Recovery Procedures Reference Manual: M-Z</i>	AA-PVXLA-TE
<i>OpenVMS Wide Area Network I/O User's Reference Manual</i>	AA-PWC7A-TE

¹Archived manuals are available on the CD-ROM in PostScript format. See Table 5.

(continued on next page)

Table 6 (Cont.) Where to Find Information

Archived Manual¹	Order Number
<i>OpenVMS VAX Card Reader, Line Printer, and LPA11-K I/O User's Reference Manual</i>	AA-PVXGA-TE
<i>OpenVMS Terminal Fallback Utility Manual</i>	AA-PS6BA-TE
<i>OpenVMS RTL DECtalk (DTK\$) Manual</i>	AA-PS6CA-TE
<i>OpenVMS SUMSLP Utility Manual</i>	AA-PS6EA-TE
<i>OpenVMS National Character Set Utility Manual</i>	AA-PS6FA-TE
<i>OpenVMS EDT Reference Manual</i>	AA-PS6KA-TE
<i>OpenVMS DIGITAL Standard Runoff Reference Manual</i>	AA-PS6HA-TE
<i>OpenVMS Bad Block Locator Utility Manual</i>	AA-PS69A-TE
<i>OpenVMS Exchange Utility Manual</i>	AA-PS6AA-TE
<i>OpenVMS VAX Patch Utility Manual</i>	AA-PS6DA-TE
<i>OpenVMS Obsolete Features Manual</i>	AA-PS6JA-TE
<i>PDP-11 TECO User's Guide</i> ¹	AA-K420B-TC

¹Archived manuals are available on the CD-ROM in PostScript format. See Table 5.

A

Book Descriptions

This appendix describes each manual in the OpenVMS documentation set. The following table lists the section where the books in a specific set are described.

Descriptions Of	See Section
Manuals in the OpenVMS Base Documentation Set	A.1
Manuals in the OpenVMS Documentation Set	A.2
System integrated products manuals	A.3
Archived manuals	A.4

A.1 Base Documentation Set Descriptions

The following sections describe each manual in the Base Documentation Set:

OpenVMS Compatibility Between VAX and Alpha

Compares and contrasts OpenVMS on VAX and Alpha computers, focusing on the features provided to end users, system managers, and programmers.

OpenVMS DCL Dictionary

Describes the DIGITAL Command Language (DCL) and provides an alphabetical listing of detailed reference information and examples for all DCL commands and lexical functions. This manual is in two parts.

OpenVMS Guide to System Security

Describes the security features available in the OpenVMS Alpha and VAX operating systems. It explains the purpose and proper application of each feature in the context of specific security needs.

OpenVMS Management Station Overview and Release Notes

Provides an overview of OpenVMS Management Station and describes how to get started using the software. OpenVMS Management Station is a powerful, Microsoft Windows based management tool for system managers and others who perform account management tasks on OpenVMS systems. OpenVMS Management Station provides a comprehensive user interface to OpenVMS system account management. This document also includes release notes for OpenVMS Management Station.

OpenVMS Master Index

Offers an edited compilation of indexes from the books in the Full Documentation Set.

Book Descriptions

A.1 Base Documentation Set Descriptions

For OpenVMS Version 6.2, the *OpenVMS Master Index* is also available in a Bookreader version.

Note

Index entries shown in the Bookreader version of the *OpenVMS Master Index* refer to page numbers in the hardcopy manuals.

OpenVMS System Management Utilities Reference Manual

Presents reference information on the utilities you can use to perform system management tasks on your system as well as the tools to control and monitor system access and resources. In addition to system management utilities, a description of the AUTOGEN command procedure is included in this two-part manual.

OpenVMS System Manager's Manual: Essentials

Provides system managers of small standalone systems with descriptions of the procedures they need to manage daily operations on an OpenVMS system. It provides instructions for setting up and maintaining routine operations, such as starting up the system, installing software, and setting up print and batch queues. It also documents routine disk and magnetic tape operations.

OpenVMS System Manager's Manual: Tuning, Monitoring, and Complex Systems

Describes configuring and controlling the network, monitoring the system and performance, and managing system parameters. The manual also includes information on VMScluster environments and DECdtm functionality.

OpenVMS User's Manual

Provides an overview of the operating system and presents basic concepts, task information, and reference information that enable you to perform daily computing tasks. It describes how to work with files and directories. It also includes these additional topics:

- Sending messages with the Mail utility and the Phone utility
- Using the Sort/Merge utility
- Using logical names and symbols
- Writing command procedures
- Editing files with the EVE and EDT text editors
- Processing files with DIGITAL Standard Runoff (DSR)

OpenVMS Version 6.2 New Features Manual

The *OpenVMS Version 6.2 New Features Manual* describe new and improved components for the Alpha and VAX operating systems.

OpenVMS Version 6.2 Release Notes

The *OpenVMS Version 6.2 Release Notes* document temporary problems and bug fixes to the Alpha and VAX operating system. They also list layered product versions supported by OpenVMS Version 6.2.

Overview of OpenVMS Documentation

The manual, which you are now reading, is a general introduction to the documentation set. This manual explains how the set is organized and describes all its components. It also lists order numbers and provides ordering information.

TCP/IP Networking on OpenVMS Systems

Provides an introductory overview of TCP/IP networking and internets, and describes OpenVMS DCL support for TCP/IP capabilities.

A.2 Documentation Set Descriptions

A Comparison of System Management on OpenVMS AXP and OpenVMS VAX

Discusses system management tools, the impact of Alpha page sizes on system management operations, the system directory structure, interoperability issues, and performance information. This manual is designed for system managers who need to learn quickly how to manage an OpenVMS Alpha system.

Building Dependable Systems: The OpenVMS Approach

Offers practical information about analyzing the dependability requirements of your business applications and deciding how to use your computing systems to support your dependability goals. This information is complemented by technical summaries of the dependability features of OpenVMS and related hardware and layered software products.

Creating an OpenVMS AXP Step 2 Device Driver from a Step 1 Device Driver

Provides information for upgrading a Step 1 device driver (used in earlier versions of OpenVMS AXP) to a Step 2 device driver. A Step 2 device driver is required for OpenVMS AXP Version 6.1.

Creating an OpenVMS AXP Step 2 Device Driver from an OpenVMS VAX Device Driver

Provides information for migrating a device driver used on OpenVMS VAX to a Step 2 device driver used on OpenVMS AXP Version 6.1.

DECamds User's Guide

Provides information for installing and using the DECamds software. DECamds was previously available only as an optional product. For OpenVMS Alpha Version 6.2 and OpenVMS VAX Version 6.2, DECamds is available to users who have a VMSclusters license. DECamds is a system management tool that lets you monitor and track certain events in a VMScluster environment.

DECnet for OpenVMS Guide to Networking

Introduces networking on an OpenVMS system. This guide presents a basic overview of networking, summarizes user and manager network operations, and describes the procedures for bringing up the network and keeping it running.

DECnet for OpenVMS Networking Manual

Covers network management concepts, tasks, procedures, and programming operations.

DECnet for OpenVMS Network Management Utilities

Contains command information for the Network Control Program (NCP) and the DTS/DTR utility. This document is for users responsible for network testing and management.

Guide to the DEC Text Processing Utility

Introduction to developing DECTPU programs.

Digital Portable Mathematics Library

Documents the mathematics routines in the Digital Portable Mathematics Library (DPML), supplied only with OpenVMS Alpha systems. VAX programmers should refer to the *OpenVMS VAX RTL Mathematics (MTH\$) Manual*.

Book Descriptions

A.2 Documentation Set Descriptions

Extensible Versatile Editor Reference Manual

Contains command reference information about the EVE text editor. It also provides a cross-reference between EDT and EVE commands.

Guide to Creating OpenVMS Modular Procedures

Describes how to perform a complex programming task by dividing it into modules and coding each module as a separate procedure.

Guide to DECthreads

Describes DECthreads functionality, Digital's multithreading run-time library. The routines are used for creating and controlling multiple threads of execution within the address space provided by a single process. This manual documents two interfaces to DECthreads: a stable, upwardly compatible interface called *cma* and an interface that adheres to the evolving POSIX standard 1003.4a, called *pthread*.

DEC Text Processing Utility Reference Manual

Describes the DEC Text Processing Utility (DECTPU) and provides reference information about the EDT Keypad Emulator interfaces to DECTPU.

Guide to OpenVMS AXP Performance Management

Introduces and explains the techniques used to optimize performance on an OpenVMS Alpha system.

Guide to OpenVMS File Applications

Contains guidelines for designing, creating, and maintaining efficient data files by using Record Management Services (RMS). This manual is intended for application programmers and designers responsible for programs that use RMS files, especially if performance is an important consideration.

Guide to OpenVMS Performance Management

Introduces and explains the techniques used to optimize performance on an OpenVMS VAX system.

Guidelines for VMScluster Configurations

Provides configuration information for VMSclusters, especially those in a mixed-architecture environment.

Migrating to an OpenVMS AXP System: Planning for Migration

Describes the general characteristics of RISC architectures, compares the Alpha architecture to the VAX architecture, and presents an overview of the migration process and a summary of migration tools provided by Digital. The information in this manual is intended to help you define the optimal migration strategy for your application.

Migrating to an OpenVMS AXP System: Recompiling and Relinking Applications

Provides detailed technical information for programmers who must migrate high-level language applications to OpenVMS Alpha. This manual describes how to set up a development environment to facilitate the migration of applications, helps programmers identify application dependencies on elements of the VAX architecture, and introduces compiler features that help resolve these dependencies. Individual sections of this manual discuss specific application dependencies on VAX architectural features, data porting issues (such as alignment concerns), and the process of migrating VAX shareable images.

Migrating to an OpenVMS AXP System: Porting VAX MACRO Code

Describes how you can port existing VAX MACRO assembly language code to an OpenVMS Alpha system by using the features of the MACRO-32 compiler. It provides information to help you identify and correct VAX MACRO code that relies on elements of the VAX architecture. The manual examines the function of each compiler directive and built-in, explaining the circumstances under which it is necessary to add a directive or built-in to VAX MACRO assembly language code. It also discusses the qualifiers that govern the behavior of the compiler.

OpenVMS Alpha Version 6.2 Upgrade and Installation Manual

Provides step-by-step instructions for installing and upgrading the OpenVMS Alpha operating system on Alpha computers. It also includes information about booting, shutdown, backup, and licensing procedures.

OpenVMS License Management Utility Manual

Describes the License Management Facility (LMF), the software license management tool. LMF includes the License Management Utility (LICENSE) and the command procedure VMSLICENSE.COM, which is used to register, manage, and track software licenses on line.

OpenVMS AXP Device Support: Developer's Guide

Describes how to write a driver for OpenVMS Alpha for a device not supplied by Digital.

OpenVMS AXP Device Support: Reference

Provides the reference material for the *OpenVMS AXP Device Support: Developer's Guide* by describing the data structures, macros, and routines used in device-driver programming.

OpenVMS AXP System Dump Analyzer Utility Manual

Explains how to use the System Dump Analyzer utility to investigate system failures and examine a running OpenVMS Alpha system. Alpha programmers should refer to this manual; VAX programmers should refer to the *OpenVMS VAX System Dump Analyzer Utility Manual*.

OpenVMS Calling Standard

Documents the calling standard for the operating system. This manual indicates aspects of the calling standard that are specific to OpenVMS Alpha or OpenVMS VAX.

OpenVMS Command Definition, Librarian, and Message Utilities Manual

Contains descriptive and reference information about the following utilities:

- Command Definition utility
- Librarian utility
- Message utility

OpenVMS Debugger Manual

Explains the features of the OpenVMS Debugger for programmers.

OpenVMS Delta/XDelta Debugger Manual

Describes the Delta/XDelta utility used to debug programs that run in privileged processor mode or at an elevated interrupt priority level.

OpenVMS Glossary

Defines terms specific to OpenVMS that are used throughout the documentation.

Book Descriptions

A.2 Documentation Set Descriptions

OpenVMS I/O User's Reference Manual

Contains the information that system programmers need to program I/O operations using the device drivers that are supplied with the operating system.

OpenVMS Linker Utility Manual

Describes how to use the Linker utility to create images that run on either VAX or Alpha systems and how you can control a link operation with link qualifiers and link options.

OpenVMS Programming Environment Manual

Provides a general description of Digital products and tools that define the programming environment. This manual introduces facilities and tools such as the compilers, the linker, the debugger, the System Dump Analyzer, system services, and routine libraries.

OpenVMS Programming Concepts Manual

Describes concepts such as process creation, interprocess communication, data sharing, condition handling, and ASTs. This manual uses system services, utility routines, and run-time library (RTL) routines to illustrate mechanisms for utilizing OpenVMS features.

OpenVMS Programming Interfaces: Calling a System Routine

Describes the OpenVMS interface for procedure-to-procedure calls and how to call a system service or RTL procedure. It also describes how you represent data types in the various high-level languages supported on OpenVMS.

OpenVMS Record Management Utilities Reference Manual

Contains descriptive and reference information about the following RMS utilities:

- Analyze/RMS_File utility
- Convert and Convert/Reclaim utilities
- File Definition Language facility

OpenVMS Record Management Services Reference Manual

Provides reference and usage information for all programmers who use RMS data files.

OpenVMS RTL Library (LIB\$) Manual

Documents the general-purpose routines contained in the LIB\$ facility of the OpenVMS Run-Time Library. This manual indicates which routines are specific to Alpha or VAX, as well as how routines function differently on each system.

OpenVMS RTL General Purpose (OTS\$) Manual

Documents the general-purpose routines contained in the OTS\$ facility of the OpenVMS Run-Time Library. This manual indicates which routines are specific to Alpha or VAX, as well as how routines function differently on each system.

OpenVMS RTL Screen Management (SMG\$) Manual

Documents the screen management routines contained in the SMG\$ facility of the OpenVMS Run-Time Library. This manual indicates which routines are specific to Alpha or VAX, as well as how routines function differently on each system.

OpenVMS RTL String Manipulation (STR\$) Manual

Documents the string manipulation routines contained in the STR\$ facility of the OpenVMS Run-Time Library. This manual indicates which routines are specific to Alpha or VAX, as well as how routines function differently on each system.

OpenVMS Software Overview

Provides an overview of the OpenVMS operating system and some of its available products.

OpenVMS System Messages: Companion Guide for Help Message Users

Describes features of the Help Message facility, a tool that you can use to display message descriptions. The manual describes the HELP/MESSAGE command and qualifiers and also includes detailed information about customizing the Help Message database. The manual also provides descriptions of messages that can occur when the system and Help Message are not fully operable.

OpenVMS System Services Reference Manual

Presents the set of routines that the operating system uses to control resources, allow process communication, control I/O, and perform other such operating system functions. This manual is in two parts.

OpenVMS Utility Routines Manual

Describes the routines that allow a program to use the callable interface of selected OpenVMS utilities.

OpenVMS VAX Device Support Manual

Describes how to write an OpenVMS VAX driver for a device not supplied by Digital.

OpenVMS VAX Device Support Reference Manual

Provides the reference material for the *OpenVMS VAX Device Support Manual* by describing the data structures, macros, and routines used in device-driver programming.

OpenVMS VAX RTL Mathematics (MTH\$) Manual

Documents the mathematics routines contained in the MTH\$ facility of the OpenVMS Run-Time Library, which is relevant only to programmers using OpenVMS VAX. (Alpha programmers should refer to *Digital Portable Mathematics Library*.)

OpenVMS VAX System Dump Analyzer Utility Manual

Explains how to use the System Dump Analyzer utility to investigate system failures and examine a running OpenVMS VAX system. VAX programmers should refer to this manual; Alpha programmers should refer to the *OpenVMS AXP System Dump Analyzer Utility Manual*.

OpenVMS VAX Version 6.2 Upgrade and Installation Manual

Provides step-by-step instructions for installing and upgrading the OpenVMS VAX operating system on VAX computers. It also includes information about booting, shutdown, backup, and licensing procedures.

POLYCENTER Software Installation Utility Developer's Guide

Describes the procedure and provides guidelines for developing software products that will be installed using the POLYCENTER Software Installation utility. Intended for developers who are designing installation procedures for software products layered on the OpenVMS operating system.

VAX MACRO and Instruction Set Reference Manual

Documents both the assembler directives of VAX MACRO and the VAX instruction set.

Book Descriptions

A.2 Documentation Set Descriptions

VMScluster Systems for OpenVMS

Provides an overview of VMScluster environments and explains procedures for setting up and managing VMScluster configurations.

A.3 System Integrated Products Documentation

RMS Journaling for OpenVMS Manual

Describes the three types of RMS Journaling as well as other OpenVMS components that support RMS Journaling. This manual also describes the RMS Recovery utility (which is used to recover data saved using journaling), the transaction processing system services, and system management tasks required when using RMS Journaling. You receive this manual when you purchase the RMS Journaling license.)

Volume Shadowing for OpenVMS

Describes how to provide high data availability with phase II volume shadowing. You receive this manual when you purchase the volume shadowing license.

A.4 Archived Manual Descriptions

OpenVMS Bad Block Locator Utility Manual

Describes how to use the Bad Block Locator utility to locate bad blocks on older types of media.

OpenVMS Developer's Guide to VMSINSTAL

Describes the VMSINSTAL command procedure and provides guidelines for designing installation procedures that conform to standards recommended by Digital. Intended for developers who are designing installation procedures for software products layered on the OpenVMS operating system.

OpenVMS DIGITAL Standard Runoff Reference Manual

Describes the DSR text-formatting utility.

OpenVMS EDT Reference Manual

Contains complete reference information for the EDT editor.

OpenVMS Exchange Utility Manual

Describes how to use the Exchange utility to transfer files between some foreign format volumes and OpenVMS native volumes.

OpenVMS National Character Set Utility Manual

Describes how to use the National character set utility to build NCS definition files.

OpenVMS Obsolete Features Manual

Presents the DCL commands, system services, RTL routines, and utilities made obsolete by VMS Version 4.0 through Version 5.0. The manual also has an appendix of DCL commands, RTL routines, and utilities eliminated from VMS Version 4.0.)

OpenVMS RTL DECtalk (DTK\$) Manual

Documents the DECtalk support routines contained in the DTK\$ facility of the OpenVMS Run-Time Library.

OpenVMS RTL Parallel Processing (PPL\$) Manual

Documents the parallel-processing routines contained in the PPL\$ facility of the OpenVMS Run-Time Library. This manual indicates which routines are specific to Alpha or VAX, as well as how routines function differently on each system.

Book Descriptions

A.4 Archived Manual Descriptions

OpenVMS SUMSLP Utility Manual

Describes how to use the SUMSLP batch-oriented editor to update source files.

OpenVMS System Messages and Recovery Procedures Reference Manual

Contains an alphabetical listing of the errors, warnings, and informational messages issued by the operating system. Also provides the meaning of each message and a statement of the action to be taken in response to each message. This manual is in two parts.

OpenVMS Terminal Fallback Utility Manual

Describes how to use the Terminal Fallback utility to manage the libraries, character conversion tables, and terminal parameters that are available within this utility.

OpenVMS VAX Card Reader, Line Printer, and LPA11-K I/O User's Reference Manual

Describes the card reader, laboratory peripheral accelerator, and line printer drivers on OpenVMS VAX.

OpenVMS VAX Patch Utility Manual

Describes how to use the Patch utility to examine and modify executable and shareable OpenVMS VAX images.

OpenVMS Wide Area Network I/O User's Reference Manual

Describes the DMC11/DMR11, DMP11 and DMF32, DR11-W and DRV11-WA, DR32, and asynchronous DDCMP interface drivers on OpenVMS VAX.

PDP-11 TECO User's Guide

Describes the operating procedures for the PDP-11 TECO (Text Editor and Corrector) program.

POLYCENTER Software Installation Utility User's Guide

Provides information on the POLYCENTER Software Installation utility, a new component that lets you install and manage software products that are compatible with the utility.

STANDARD OPERATING PROCEDURE

This document is the property of the company and is to be used only for the purpose intended.

It is the policy of the company to maintain the highest quality of service to our customers. This policy is achieved by ensuring that all employees are properly trained and equipped to perform their duties. The company will not tolerate any employee who fails to meet this standard.

1. PURPOSE AND SCOPE

The purpose of this document is to provide a clear and concise description of the standard operating procedure for the company. This document is intended for use by all employees and is to be read and understood by all.

The scope of this document is limited to the standard operating procedure for the company. It does not cover any other matters.

This document is the property of the company and is to be used only for the purpose intended. It is not to be reproduced or distributed without the written permission of the company.

2. RESPONSIBILITIES

The responsibilities of the company are to ensure that all employees are properly trained and equipped to perform their duties. The company will not tolerate any employee who fails to meet this standard.

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3. PROCEDURE

The procedure for the company is to ensure that all employees are properly trained and equipped to perform their duties. The company will not tolerate any employee who fails to meet this standard.

4. APPENDIX

The appendix of this document is to provide a clear and concise description of the standard operating procedure for the company. This document is intended for use by all employees and is to be read and understood by all.

